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HOMONYMY IN WORLD SPECIES-GROUP NAMES OF CRIOCERINAE (Coleoptera: Chrysomelidae)

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ABSTRACT

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Homonymy exists in a genus when two species-group names have the same spelling. During this study, the literature pertaining to all occurrences of real or apparent homonymy in species-group names of world Criocerinae has been examined. A discussion under each of the 572 entries clarifies the status of the name. Twenty-six names are changed; many changes are due to homonymy, but others are due to nomenclatural errors. This study will result in greater stability for species-group names of Criocerinae and a fuller understanding of the status of the names involved in homonymy.

KEYWORDS: Chrysomelidae, Coleoptera, Criocerinae, homonymy, species-group names.

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CONTENTS

	Page
Procedures -----	2
Application of rules with examples -----	3
Comment on the Monrós paper -----	5
Species-group names -----	5
Names changed -----	54
Literature cited -----	56

HOMONYMY IN WORLD SPECIES-GROUP NAMES OF CRIOCERINAE (COLEOPTERA: CHRYSOMELIDAE)

By RICHARD E. WHITE ¹

During a study of the literature on North American Criocerinae, I found occurrences of apparent homonymy among world species-group names. Examination disclosed errors in treatments and led to investigation of all homonymic situations in world Criocerinae. This work included over 220 examples of apparent homonymy, about 150 of which were actually instances of homonymy. The others were errors in author citation, misidentifications, or misspellings, so were not actually homonymic.

Thorough study of homonymic situations in a large, worldwide group will assure that no names accepted as valid are invalid because of homonymy and will often lead to detection of other nomenclatural errors. Earlier workers will have detected most homonymy and renamed junior homonyms; however, such work should be reexamined, for it may have been done hastily and superficially and mistakes may be common.

Taxonomists generally assume that the status of a name in regard to possible homonymy is clear cut and that instances of homonymy are obvious. However, some of the more lengthy entries in this bulletin clearly show that homonymic situations can be complex and that considerable work and study may be required to understand a situation fully and to draw conclusions.

The genera that I have accepted as constituting the Criocerinae agree with those advanced by Monrós, 1960, and include *Crioceris*, *Lema*, *Lilioceris*, *Manipuria*, *Metopoceris*, *Mimolema*, *Oulema*, *Ovamela*, *Plectonycha*, *Pseudocrioceris*, and *Stethopachys*.

Various factors make the Criocerinae an excellent group for demonstrating principles of homonymy. There are more than 1,400

¹ Systematic Entomology Laboratory, Science and Education Administration-Agricultural Research, c/o U.S. National Museum of Natural History, Washington, D.C. 20560.

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named world species and numerous names for subspecies, forms, varieties, and aberrations in the 11 genera. Some of these genera were described before 1800, and there has been confusion in applying the names of the two largest genera. Many authors in the early 19th century regarded *Lema* as a synonym of *Crioceris*, whereas others regarded them as distinct. The biological groups to which we now apply these two names are readily separable. Also, some of the many authors who have worked on the taxonomy of the Criocerinae have been careless in their selection of names and in citing old species names and their authors. Such lack of care in taxonomic work has often contributed to homonymic situations.

PROCEDURES

Clarification of all occurrences of homonymy in a large group requires careful examination of the literature, reexamination of the work of others, and application of the rules in the "International Code of Zoological Nomenclature." Generic placement and status of species names must be based on the literature; specimens are not studied.

During my study, I compiled a list of all world species-group names in the Criocerinae. These names were derived from the following works and catalog: "Zoological Record" from 1864 to 1971; Gemminger and Harold, 1874; Jacoby and Clavareau, 1904; the Junk list (Clavareau, 1913); Blackwelder, 1946; Monrós, 1960; Gressitt and Kimoto, 1961; and the Systematic Entomology Laboratory card catalog of insect literature. During this compilation, I did not examine all shorter taxonomic papers for possible homonymy because they were so numerous and their nomenclature usually is clear.

About 3,000 names are in my list, with about 220 occurrences of apparent homonymy, that is, situations in which a species-group name appeared to have been proposed more than once in a genus. Examination of the relevant literature confirmed that about 150 of them were actually homonymic. Most of the junior homonyms among these homonyms have been renamed by authors as needed, but in 13 instances I herein propose new names to replace junior homonyms.

The following is an outline of procedures.

- A. Compile alphabetical list of all species-group names in each genus including –
 1. All published names whether in current use or apparently invalid
 - a. Synonyms, subspecies, varieties, aberrations, color forms, etc.

- b. Brief author citation (author, year, page) and source of name citation so name may later be traced
2. Sources of species-group names - catalogs, lists of names, checklists, indexes, major revisions, "Zoological Record," and large taxonomic works
- B. Study all relevant literature of each homonymic situation
- C. Apply rules of zoological nomenclature
- D. Select correct names and rename junior homonyms
- E. Classify apparent homonymy situations
 1. Those due to misidentification or misspelling
 2. Those due to error in author citation
- F. Classify actual homonymy situations
 1. Primary homonymy
 2. Secondary homonymy

APPLICATION OF RULES WITH EXAMPLES

Species homonymy occurs when two or more species-group names in a genus are identical in spelling. See the provisions of articles 52-54 and 57-60 in the "International Code of Zoological Nomenclature," 1961, and the amendments to these rules as adopted at Monaco in 1972.

Of a pair of homonyms, the junior homonym or the more recently proposed name is invalid and must be replaced either by an available synonym or by a new name. The two types of homonymic situations are primary and secondary. Primary homonymy is when both names were proposed in the same genus. Secondary homonymy is when one or both names were originally in a genus or genera other than the one in which the homonymy exists.

Apparent homonymy can often be deceptively similar to actual homonymy until name sources are checked and status of the names is determined. Frequently apparent homonymy is caused by misidentification. An example of this is the appearance in Clavareau, 1913, p. 42, of *Lema asparagi impupillata* Heyd., 1906, p. 124. This would seem to be a junior homonym of *Lema asparagi impupillata* Pic, 1900, p. 65. However, *impupillata* Heyd. is a misidentification by Heyden of *impupillata* Pic and is not an independent proposal of *impupillata* by Heyden. Pic, 1906a, p. 123, provided the name *heydeni* for the color form that Heyden identified in error as *impupillata* Pic. For the sake of clarity, Clavareau should have cited the name combination as follows: *Lema asparagi impupillata*, Heyd. (not Pic).

A common cause of apparent homonymy is an error in author citation. This is especially exasperating, for it is extremely difficult to prove

beyond a doubt that a particular combination has never been validly published. An example of this occurs in Heinze, 1929a, p. 114, where the new species *Liliocerus lambaensis* from the Congo is compared with "*L. weisei* Chevr." It is likely that Heinze intended the citation to read *L. weisei* Clav., which is a valid African species, because *L. weisei* Chev. is not found in any catalog, and a search of the Chevrolat publications available to me has failed to show that he proposed such a name. Considerable time and effort (not at all justified by the result) are required to clear up a problem like this, and such difficulties could be avoided if workers would carefully check name and author combinations.

One significant ramification of the rules concerns different spellings that are to be regarded as homonymic. In article 58 of the rules, these spellings are listed. Because these variable spellings are presented as homonymous, no emendations in these spellings are acceptable. Unfortunately in past years such changes were fairly common. As an example, the name *Lema coerulea* Lac., 1845, p. 523, in Clavareau, 1913, p. 58, is an emendation of the original spelling *Lema caerulea*. By article 58(1) of the rules, the use of ae, oe, or e in a species name constitutes differences that are to be regarded as homonymic; thus *coerulea* of Clavareau is an unjustified emendation of *caerulea* Lac., and the latter, the original spelling, is the correct name.

I have used a restrictive interpretation of the rules to determine whether terms applied to categories below the species level refer to the subspecific or infrasubspecific rank. This is significant because subspecific names are available, but infrasubspecific names are not. According to article 45(e)(i) as amended at Monaco, September 1972, the use of either 'variety' or 'form' before 1961 is to be interpreted as denoting subspecific rank. Use of either term after 1960 denotes an infrasubspecific name (see article 45(d)(iii)). I interpret the inclusion in the rules of terms that are to be accepted as denoting subspecific rank as exclusion of other terms from denoting subspecies. Therefore by my interpretation, the following terms denote infrasubspecific categories: Aberration, race, color form, color variety, sculpture form, and other uses of these terms in combination or abbreviated combination.

It must be noted that those species names that were published for the first time in the DeJean, 1835, 1837, catalogue are nomina nuda, because this listing of names does not fulfill the requirements of publication for a valid name; that is, there is no definition, indication, or description. This is mentioned because papers subsequent to the DeJean catalogue, especially works by Lacordaire, frequently validated DeJean names and gave authorship to DeJean, when it properly belonged to the author who validated the name. The nomina nuda of DeJean are referred to individually in the list of names only when they are involved in homonymic situations.

COMMENT ON THE MONRÓS PAPER

Many of the difficulties I experienced during this work result from the paper "Los Generos de Chrysomelidae" by Monrós, 1960. It was published after the author's untimely death and did not benefit from a final polishing that would doubtless have upgraded it.

The Monrós paper is the latest comprehensive treatment of world Criocerinae and is the basis for the status herein accorded species-group names (i.e., whether applying to a species, subspecies, or synonym). The errors that I have found in the Monrós paper in homonymic situations alone indicate that there may also be numerous errors in the status of names. In fact, I find no literature basis for certain synonymy that appears in the Monrós paper. Monrós provided no justification for new synonymy and did not indicate new synonyms as such. Should a junior homonym treated by Monrós, 1960, as a synonym be found not to be a synonym, it will have to be renamed if no other name is available. Thus certain treatments here may have to be altered if errors are found in the status accorded names by Monrós.

SPECIES-GROUP NAMES

Junior and senior homonyms, replacement names, and other names that are part of apparent or real homonymic situations are arranged alphabetically. Each name is followed by its author, year, page of publication, and genus in which it was described, followed by other relevant generic assignments, if any. Complex situations are explained in detail.

ABDOMINALIS Comolli, 1837, p. 45, *Lema*, *Crioceris*, now *Lilioceris*.

A junior primary homonym (see *abdominalis* Dalm.) and a junior secondary homonym (see *abdominalis* Fab.). Currently a synonym of *Lilioceris merdigera* (L.), so no replacement is needed.

ABDOMINALIS Dalman, 1823, p. 74, *Lema*.

A junior secondary homonym (of *abdominalis* Oliv.) that was renamed *ventralis* by Suffrian, 1859. *L. abdominalis* Dalm. is a synonym of *L. rubricollis* Klug.

ABDOMINALIS Fabricius, 1781, p. 151, *Crioceris* now *Aulacaphora* (Galerucinae).

A senior primary homonym; see *abdominalis* Schön., *abdominalis* Oliv., and *abdominalis* Com.

ABDOMINALIS Olivier, 1808, p. 741, *Crioceris*, now *Lema*.

A junior primary homonym of *abdominalis* Fab. Although these two names are no longer in the same genus, *abdominalis* Oliv. must be changed, so I propose *rubriventris*, NEW NAME, in reference to the red abdomen, as a replacement.

ABDOMINALIS Papp, 1946, p. 4, *Elisabethana picturata*, now *Crioceris picturata*.

Proposed as "ab. *abdominalis* nov." of *E. picturata* Clav., so it is an infrasubspecific name that is not included in zoological nomenclature and does not figure in homonymy.

ABDOMINALIS Schönherr, 1808, p. 272, *Crioceris*, now *Exosoma* (Galerucinae).

A junior primary homonym of *C. abdominalis* Fab. and now a synonym of *E. lusitanica* (L.), so no replacement is needed.

AEMULA Horn, 1894, p. 406, *Lema*.

A junior primary homonym (of *aemula* Lac.) that Heinze, 1927c, p. 142, renamed *californica*.

AEMULA Lacordaire, 1845, p. 334, *Lema*.

A senior primary homonym; see *aemula* Horn.

ALGERICA Pic, 1892, p. 3, *Lema*.

Evidently a replacement for the junior primary homonym *L. lacordairei* Desb. I have not seen Pic, 1892.

AMNESIA Monrós, 1947a, p. 170, *Lema*.

A replacement for the junior primary homonym *L. biimpressa* Pic.

ANGOLENSIS Pic, 1944, p. 12, *Lema*.

A replacement for the junior homonym *L. breveapicalis* Pic, 1939b.

ANNULIANTENNATA Monrós, 1951, p. 476, *Lema*.

A replacement for the junior primary homonym *L. annulicornis* Pic, 1941b. See also *annuliantennata* Mon., 1960.

ANNULIANTENNATA Monrós, 1960, p. 216, *Lema*.

A stillborn homonym. Monrós evidently intended this as a replacement for *L. annulicornis* Pic, but that name was already replaced by *annuliantennata* Mon., 1951. Monrós failed to place *annuliantennata* in the correct position relative to *annulicornis* Pic, 1941b, in his (Monrós's) list.

ANNULICORNIS Pic, 1924, p. 8, *Lema*.

A senior primary homonym; see *annulicornis* Pic, 1941b.

ANNULICORNIS Pic, 1941b, p. 14, *Lema*.

A junior primary homonym (of *annulicornis* Pic, 1924) that Monrós, 1951, renamed *annuliantennata*.

ANTONII Clavareau, in Jacoby and Clavareau, 1904, p. 6, *Lema*, now *Oulema*.

A replacement for the junior primary homonym *L. duvivieri* Jac., 1900c, p. 96.

APICICORNIS Jacoby, 1888a, p. 191, *Lema*.

Homonymic with *L. apicicornis* Jac., 1888b, p. 14; see the latter.

APICICORNIS Jacoby, 1888b., p. 14, *Lema*.

This homonym was published in the part of the "Biología-Centrali

Americana" that is marked at the bottom of page 9 as having appeared in June. The homonym *L. apicicornis* Jac., 1888a, p. 191, appeared in the June number of London Ent. Soc. Trans. Clavareau (in Jacoby and Clavareau, 1904) provided the replacement name *centralis* for *apicicornis* Jac., 1888a, p. 191, thus accepting it as the junior homonym. I am unable to show that Clavareau was in error, so his action stands.

ARMATA Fabricius, 1801, p. 472, *Lema*.

A senior primary homonym; see *armata* Pic and *laevicollis* Rits.

ARMATA Pic, 1916b, p. 15, *Lema*.

A junior primary homonym (of *armata* Fab.) and currently a synonym of *L. jolofa* Lac., so no replacement is needed.

ASPARAGI Linnaeus, 1758, p. 376, *Chrysomela*, now *Crioceris*.

A valid name; see *campestris* L., *campestris* Ross., *cruciata* Schust., *incrucifer* Pic, *obliterata* Pic, *octomaculata* Tunkl, *pupillata* Ahr., *pupillata* Heyd., *sexmaculata* Tunkl, and *simoni* Chob.

ATRATA Fabricius, 1801, p. 474, *Lema*.

A senior primary homonym; see *atrata* Waltl.

ATRATA Waltl, 1835, p. 81, *Lema*, now *Oulema*.

Evidently a junior primary homonym (of *atrata* Fab.). Heinze, 1927c, p. 141, offered the replacement *waltli*; the latter is now a synonym of *O. melanopus* (L.). I have not seen Waltl, 1835.

ATRICORNIS Chevrolat, 1835, No. 110 (no pagination), *Lema*.

A junior secondary homonym of *L. atricornis* (Gist.) for which I propose the replacement *chevrolati*, NEW NAME.

ATRICORNIS Gistel, 1831, col. 309 (no pagination), *Crioceris*, now *Lema*.

A senior secondary homonym; see *atricornis* Chev. Monrós and Bechyné, 1956, p. 1121, synonymized *atricornis* Gist. with *L. violaceipennis* Lac., 1845, p. 503. However, Monrós, 1960, p. 219, listed *atricornis* Gist. as valid but directly beneath *violaceipennis* Lac. Considering that there are many oversights in this work due to the author's early death, I think it likely that he intended that *atricornis* Gist. was to have been listed as a synonym of *violaceipennis* Lac., but the manner of its listing requires that it not be regarded as a synonym.

ATRIPES de Borre, 1881, p. 81, *Lema*.

A senior secondary homonym; see *atripes* Pic.

ATRIPES Pic, 1916b, p. 15, *Bradylema*, now *Lema*.

A junior secondary homonym of *L. atripes* de Borre. Monrós, 1960, p. 200, listed *Bradylema* as a synonym of subgenus *Petauristes* of *Lema* and on page 204 gave *atripes* Pic as a synonym of *parryi* Baly, so no replacement for *atripes* Pic is needed.

AZURCIPENNIS Pic, in Monrós, 1960, p. 190, *Lema*.

This is an error in spelling by Monrós. The citation in Monrós reads "azurcipennis Pic, 1927: 2." The spelling that Monrós intended was probably *azureipennis*, but had Pic actually published his name in this form, it would have been a junior primary homonym of *L. azureipennis* Lac. However, the original spelling by Pic was *azureipes*. Monrós evidently assumed that the Pic name was homonymic with *azureipennis* Lac. and proposed the unneeded new name *azureidorsis* for the Pic name. Monrós's *azureidorsis* is a junior objective synonym of *azureipes* Pic.

AZUREA Lacordaire, 1845, p. 351, *Lema*.

A valid name; see *azurea* Voet.

AZUREA Voet, 1806, p. 37, *Crioceris*, now *Lema*.

An unavailable name. Voet did not consistently apply the principle of binominal nomenclature, so his work does not meet the criteria of availability as set forth in the rules of nomenclature (article 11(c)). Therefore the names in this work are not available and are to be ignored. Thus *azurea* Voet is not homonymic with *L. azurea* Lac., 1845, p. 351. The citation of *azurea* Voet in synonymy by Gemminger and Harold, 1874, p. 3257, does not validate *azurea* (article 11(d)).

AZUREIDORSIS Monrós, 1960, p. 190, *Lema*.

A junior objective synonym of *azureipes* Pic and a needlessly proposed name. See *azurcipennis* Pic and *azureipes* Pic.

AZUREIPES Pic, 1927, p. 2, *Lema*.

A valid name; see *azurcipennis* Pic.

AZURIEPENNIS Lacordaire, 1845, p. 506, *Lema*.

A valid name; see *azurcipennis* Pic.

BALYI Clark, 1866a, p. 24, *Lema*.

A replacement for the junior primary homonym *L. sellata* Baly.

BAMBOTANA Weise, 1913b, p. 220, *Lema*.

A replacement for the junior secondary homonym *L. senegalensis* Clark.

BASALIS Chevrolat, 1835, No. 115, *Lema*.

A valid name; see *basalis* "Cl."

BASALIS "Cl.," in Pic, 1942b, p. 7, *Lema*.

This is an error by Pic in author citation. Pic compared his new species *L. durangosa* (from Mexico) with "*basalis* Cl." I have found no evidence to indicate that there is such a species, and I think that *L. basalis* Chev. (from Mexico) was intended. I believe that the latter is the only *L. basalis* that has been validly published.

BASALIS Jacoby, 1906, in Zoological Record, 1925, p. 172, *Crioceris*.

This combination is an error by the Zoological Record, for no such name has been validly proposed. In the paper referred to by the

Zoological Record (Achard, 1924, p. 37), *basalis* Jac. was actually assigned to the genus *Coenobius* of the Chrysomelidae, not to *Crioceris*. See *basalis* Weise.

BASALIS Weise, 1913, in Zoological Record, 1925, p. 172, *Crioceris*. This combination is an error by the Zoological Record, for no such name has been validly proposed. In the paper referred to by the Zoological Record (Achard, 1924, p. 37), *basalis* Weise was actually assigned to *Coenobius* (Chrysomelidae), not to *Crioceris*. See *basalis* Jac.

BASITHORAX Pic, 1924, p. 11, *Lema*.

A valid name and senior primary homonym; see *basithorax* Pic, 1926.

BASITHORAX Pic, 1926, p. 48, *Lema*.

A junior primary homonym (of *basithorax* Pic, 1924) that Monrós, 1947a, p. 169, renamed *homonima*.

BICOLOR Boisduval, 1835, in Clavareau, 1913, p. 73, *Lema*.

This is either a spelling error or unjustified emendation by Clavareau, for the original and correct spelling was *bicolora*.

BICOLOR Fabricius, 1798, p. 89, *Crioceris*, now *Lema*.

A valid name; see *bicolora* Boisd.

BICOLORA Boisduval, 1835, p. 532, *Lema*.

Lacordaire, 1845, p. 341, believed this to be homonymic with *bicolor* Fab. and proposed for *bicolora* Boisd. the new (and unneeded) name *papuana*. Actually the spelling difference does not make the two names homonymic. See *bicolora* Mon.

BICOLORA Monrós, 1960, p. 184, *Lema*.

A junior primary homonym of *bicolora* Boisd. and a needlessly proposed replacement for *bicoloripes* Pic, 1949. Monrós had previously replaced the junior primary homonym *bicoloripes* Pic, 1949, with the new name *chromatopus*.

BICOLORIPES Pic, 1925, p. 14, *Lema*.

A valid name and senior primary homonym; see *biocoloripes* Pic, 1949.

BICOLORIPES Pic, 1949, p. 12, *Lema*.

A junior primary homonym of *bicoloripes* Pic, 1925. Monrós, 1951, p. 477, provided the replacement *chromatopus*. Monrós, 1960, p. 184, needlessly provided the second replacement *bicolora*; the latter is thus an objective synonym of *chromatopus* Mon. and a junior primary homonym of *bicolora* Boisd.

BIIMPRESSA Heinze, 1929b, p. 252, *Lema*.

A senior primary homonym; see *biimpressa* Pic.

BIIMPRESSA Pic, 1932, p. 136, *Lema*.

A junior primary homonym (of *biimpressa* Heinze) that Monrós, 1947a, p. 170, renamed *amnesia*.

BIIMPRESSIPENNIS Pic, 1931, p. 20, *Lema*.

A valid name and senior primary homonym; see *biimpressipennis* Pic, 1932.

BIIMPRESSIPENNIS Pic, 1932, p. 138, *Lema*.

A junior primary homonym (of *biimpressipennis* Pic, 1931) that was renamed *impressipennis* by Pic, 1944, p. 12.

BILINEATA Germar, 1824, p. 527, *Lema*.

A valid name; see *flavipennis* Heinze and *suturalis* Pic.

BIMACULATA Baly, 1888, p. 85, *Lema*.

A valid name and senior primary homonym; see *bimaculata* Weise.

BIMACULATA Fuente, 1908, p. 389, *Crioceris macilentata*.

A junior primary homonym of *bimaculata* Panz. Fuente's *bimaculata* is placed by Monrós, 1960, p. 178, in the synonymy of *C. macilentata* Weise, so no replacement is needed.

BIMACULATA Panzer, 1795, p. 169, *Crioceris*, now *Phyllobrotica* (Galerucinae).

A senior primary homonym; now a synonym of *Phyllobrotica quadrimaculata* (L.). See *bimaculata* Fue.

BIMACULATA Weise, 1900, p. 268, *Lema quadrimaculata*.

A junior primary homonym of *bimaculata* Baly that Weise, 1913b, p. 220, renamed *distigma*.

BINOMINATA Clavareau, 1904, p. 11, *Lema*.

A replacement for the junior primary homonym *klugi* Jac.

BINOMIS Monrós, 1947a, p. 170, *Lema*.

A replacement for the junior primary homonym *L. nigrohumeralis* Bry.

BIPUSTULATA Jacoby, 1880, p. 13, *Lema*.

A junior primary homonym of *L. bipustulata* Mont. Clavareau, 1913, p. 86, included *bipustulata* Mont. in the genus *Stethopachys* (while *bipustulata* Jac. remained in *Lema*) and did not propose a replacement for the latter. Monrós, 1951, p. 477, moved *bipustulata* Mont. back into *Lema* and replaced *bipustulata* Jac. with *bispilota*. See also *jacobyana* Mon.

BIPUSTULATA Montrouzier, 1855, p. 68, *Lema*, *Stethopachys*, now *Lema*.

A senior primary homonym; see *bipustulata* Jac.

BISPILOTA Monrós, 1951, p. 477, *Lema*.

A replacement for the junior primary homonym *bipustulata* Jac. Monrós, 1960, p. 221, failed to cite his *bispilota* and needlessly proposed a second replacement (but not designated as a replacement) *jacobyana*, which is therefore a junior objective synonym of *bispilota* Mon.

BISULCATA Baly, 1889, p. 486, *Lema*.

A junior secondary homonym of *bisulcata* Jac. As a replacement for *L. bisulcata* Baly, I hereby propose *hueiensis*, NEW NAME, in reference to the collection locality of the species.

BISULCATA Jacoby, 1888b, p. 40, *Lema*.

A valid name and senior primary homonym; see *bisulcata* Baly. Clavareau (in Jacoby and Clavareau, 1904, p. 20) made the error of providing a new name (*martini*) for the senior primary homonym. Thus *martini* was wrongly assigned and is a junior objective synonym of *bisulcata* Jac. Monrós, 1960, p. 221, erroneously listed *bisulcata* Jac. in synonymy with his *jacobyana* (a needlessly proposed name) and again in error listed *bisulcata* Jac. under *martini* Clav.

BLANDA Lacordaire, 1845, p. 500, *Lema*.

A name not validly proposed, thus not homonymic with *blanda* Weise. Lacordaire in the discussion of *L. dorsalis* mentioned that a member of the latter species was sent to him under the name *L. blanda*. This is the first publication of the name, and since it was publication in synonymy, it does not serve to validate *blanda* (see article 11(d)).

BLANDA Weise, 1915, p. 156, *Lema*.

A valid name (see *blanda* Lac.) and a synonym of *L. calabarica* Clark.

BOHEMANI Baly, 1863, p. 612, *Crioceris*, now *Lilioceris*.

A valid name; see *latipennis* Clark and *crassicornis* Weise.

BOHEMANI Clark, 1866a, p. 24, *Lema*.

Provided as a replacement for the junior primary homonym *L. russula* Boh.

BOWRINGI Pic, 1921, in Monrós, 1960, p. 188, *Lema*.

This combination is an error by Monrós and is not a junior homonym of *L. bowringii* Baly. Pic actually described "*Lema bowringi* v. nov. *caeruleithorax*" and did not describe a *L. bowringi*. Though Monrós cited *bowringi* Pic, he may have intended to cite *caeruleithorax* Pic, for the name *caeruleithorax* Pic does not appear elsewhere in the Monrós list.

BOWRINGII Baly, 1862, p. 18, *Lema*.

A valid name; see *bowringi* Pic.

BRAZILIENSIS Heinze, 1927c, p. 141, *Lema*.

A replacement for the junior primary homonym *L. vicina* Clark.

BREVEAPICALIS Pic, 1924, p. 10, *Lema*.

A valid name and senior primary homonym; see *breveapicalis* Pic, 1939b.

BREVEAPICALIS Pic, 1939b, p. 116, *Lema*.

A junior primary homonym (of *breveapicalis* Pic, 1924) that Pic, 1944, renamed *angolensis*.

BREVELINEATA Pic, 1924, p. 9, *Lema*.

A senior primary homonym; see *brevelineata* Pic, 1931.

BREVELINEATA Pic, 1931, p. 20, *Lema rubricollis*.

A junior primary homonym of *L. brevelineata* Pic, 1924. Monrós, 1960, p. 196, listed *brevelineata* Pic, 1931, in the synonymy of *rubricollis* Klug and not as a subspecies. I find no literature basis for this synonymy, but I must accept the status as is, so will not propose a replacement for *brevelineata* Pic, 1931.

BREVICORNIS Jacoby, 1888b, p. 41, *Lema*.

A valid name and senior primary homonym; see *brevicornis* Jac., 1897.

BREVICORNIS Jacoby, 1897, p. 238, *Lema*, now *Mimolema*.

A junior primary homonym (of *brevicornis* Jac., 1888b) that Clavareau (in Jacoby and Clavareau, 1904) renamed *tsipangoana*.

BREVIPENNIS Pic, 1928, p. 88, *Crioceris*.

Needlessly proposed as a replacement for *curtipennis* Pic, 1921a, p. 15; see the latter. A junior objective synonym of *sandakana* Ach.

CAERULEA Lacordaire, 1845, p. 523, *Lema*.

A valid name; see *coerulea* Lac.

CALIFORNICA Heinze, 1927c, p. 142, *Lema*.

A valid name and replacement for the junior primary homonym *L. aemula* Horn. Also a senior primary homonym; see *californica* Schaef.

CALIFORNICA Schaeffer, 1933, p. 301, *Lema trilineata*.

A junior primary homonym of *californica* Heinze that Kogan and Goeden, 1970, renamed *L. t. daturaphila*. Originally proposed as a replacement for the junior primary homonym *L. trivittata nigri-ventris* Fall.

CAMARUNENSIS Jacoby, 1903, p. 227, *Lema*.

A valid name; see *weisei* Jac.

CAMPESTRIS Laicharting, 1781, in Gemminger and Harold, 1874, p. 3263, *Crioceris*.

Not a valid combination; I accept this as referring to *campestris* L. and thus not homonymic with it. Gemminger and Harold cited this combination as a variety of *C. asparagi* (L.), but the name combination should have been *campestris* L., for in the Laicharting paper the species name was attributed to Linnaeus. In Clavareau, 1913, p. 41, and Monrós, 1960, p. 177, appear references to only *campestris* L.

CAMPESTRIS Linnaeus, 1767, p. 602, *Chrysomela*, now *Crioceris*.

A valid name that is now a synonym of *Crioceris asparagi* (L.). See *campestris* Laich. and *campestris* "Rossius."

CAMPESTRIS "Rossius," 1790, in Clavareau, 1913, p. 41, *Crioceris*.

A misleading author citation, or a varietal misidentification, and

not homonymic with *campestris* L. In the Rossius publication, *campestris* was correctly attributed to Linnaeus. Clavareau, 1913, p. 41, cited *campestris* Ross. in the synonymy of *C. asparagi*; *campestris* L. was also cited in this synonymy.

CENTRALIS Clavareau, in Jacoby and Clavareau, 1904, p. 17, *Lema*. A replacement for the junior primary homonym *L. apicicornis* Jac., 1888b.

CHAPUISI Baly, 1877, in Zoological Record, 1925, p. 172, *Crioceris*. This combination is an error in the Zoological Record, for no such name combination has been validly proposed. In the original literature source (Achard, 1924, p. 37), this species name was actually referred to the chrysomelid genus *Ditropidus* (Cryptocephalinae), not to *Crioceris*.

CHAPUISI Weise, 1916, in Zoological Record, 1925, p. 172, *Crioceris*. This combination is an error by the Zoological Record, for no such name has been validly proposed. In the original literature source (Achard, 1924, p. 37), the name is actually assigned to *Ditropidus* (Cryptocephalinae), not to *Crioceris*.

CHEVROLATI, NEW NAME, *Lema*.

I offer this to replace the junior secondary homonym *L. atricornis* Chev.

CHIRIQUENSIS Jacoby, 1888b, p. 20, *Lema*.

A valid name; see *chiriquensis* Weise and *chiriquiensis* Jac., in Weise.

CHIRIQUENSIS Weise, 1913a, p. 17, *Lema*.

A stillborn homonym of *chiriquensis* Jac.; see *chiriquiensis* Jac., in Weise.

CHIRIQUIENSIS Jacoby, in Weise, 1913a, p. 17, *Lema*.

This is an unintentional emendation by Weise for *chiriquensis* Jac., 1888b, p. 20. Weise mistakenly attributed the spelling *chiriquiensis* to Jacoby and proposed the spelling *chiriquensis*. Actually the latter was Jacoby's original spelling.

CHROMATOPUS Monrós, 1951, p. 477, *Lema*.

A replacement for the junior primary homonym *L. bicoloripes* Pic, 1949.

CINCTA Lacordaire, 1845, p. 396, *Lema*.

A valid name and senior primary homonym. See *cincta* Lac., 1845, p. 470.

CINCTA Lacordaire, 1845, p. 470, *Lema limbata*, now *L. marginella*.

A junior primary homonym (of *L. cincta* Lac., 1845, p. 396) that Weise, 1913b, p. 220, renamed *cincticollis*. Monrós, 1960, p. 216, failed to list the name *cincticollis* before the preoccupied *cincta* Lac.

CINCTICOLLIS Weise, 1913b, p. 220, *Lema marginella*.

A replacement for the preoccupied *cincta* Lac., 1845, p. 470. Monrós, 1960, p. 216, failed to list this name before the preoccupied *cincta* Lac.

CLARIPENNIS Heinze, 1927c, p. 142, *Lema gestroi*.

A replacement for the junior homonym *L. gestroi rufipennis* Weise.

COERULEA Lacordaire, in Clavareau, 1913, p. 58, *Lema*.

An unjustified emendation by Clavareau of *caerulea* Lac., the original (and correct) spelling.

COLUMBIANA Clavareau, 1904, p. 59, *Lema*.

A replacement for the junior primary homonym *L. haroldi* Jac.

COLUMBIENSIS Heinze, 1927c, p. 141, *Lema*.

A replacement for the junior homonym *steinheili* Baly. Heinze considered that *steinheili* Baly was a more recently proposed name than *steinheili* Jac.; see under each of the names.

CONCINNIPENNIS Baly, 1865b, p. 157, *Lema*.

A valid name; see *ventralis* Kuw.

CONFUSA Chevrolat, 1835, No. 116 (no pagination), *Lema*.

A valid name; see *trabeata* Chev. and *trabeata* Lac.

CONSTRICTA Baly, 1865a, p. 18, *Lema*.

A senior primary homonym; see *constricta* Clark.

CONSTRICTA Clark, 1866b, p. 39, *Lema*.

A junior primary homonym (of *constricta* Baly) that was renamed *stricta* by Clark, 1866a.

COREANA Chûjô, 1933, p. 30, *Lema*.

A junior primary homonym (of *coreana* Pic) that Monrós, 1960, re-named *coreensis*.

COREANA Pic, 1924, p. 13, *Lema*.

A valid name and senior primary homonym; see *coreana* Chûjô.

COREENSIS Monrós, 1960, p. 182, *Lema*.

A replacement for the junior primary homonym *L. coreana* Chûjô.

COROMANDELIANA Fabricius, 1798, p. 154, *Lema*.

A valid name; see *dichroa* Blanch.

CRASSICORNIS Fairmaire, 1887, p. 136, *Crioceris*, now *Lilioceris*.

A junior primary homonym (of *crassicornis* Oliv.) that Weise, 1913b, p. 220, renamed *yunnana*.

CRASSICORNIS Olivier, 1808, p. 731, *Crioceris*, now *Lilioceris*.

A senior primary homonym (see *crassicornis* Fair. and *crassicornis* Weise); also a synonym of *L. impressa* (Fab.).

CRASSICORNIS Weise, 1901, p. 162, *Crioceris*, now *Lilioceris*.

A junior primary homonym of *crassicornis* Oliv.; renamed *weisei* by Clavareau (in Jacoby and Clavareau, 1904, p. 30). Both names are now in the synonymy of *L. bohemani* (Baly).

CRIBRARIA Jacoby, 1888a, p. 190, *Lema*.

A valid name; see *methneri* Heinze.

A valid name; see *methneri* Heinze.

CRIOCEROIDES Jacoby, 1893, p. 271, *Lema*.

A replacement for the junior primary homonym *L. robusta* Jac. and correct name for the species.

CRUCELLA Heinze, 1927c, p. 141, *Crioceris*, now *Lilioceris*.

A replacement for the junior primary homonym *C. cruciata* Guer.

CRUCIATA Bonelli, 1812, p. ?, *Crioceris*.

Evidently a senior primary homonym and synonym of *paracenthesis* L.; see *cruciata* Schust. I have not been able to get a copy of the Bonelli paper, so cannot confirm the page on which *cruciata* appears, if it is there. The Clavareau, 1913, p. 49, citation of page 15 conflicts with the pagination of the Bonelli paper (149-183) given by my references. There is no *Crioceris cruciata* Bonelli in "Index Animalium."

CRUCIATA Guérin, 1840, p. 41, *Lema*, *Crioceris*, now *Lilioceris*.

When in *Crioceris*, this was a junior secondary homonym of *cruciata* Bon.; renamed *crucella* by Heinze, 1927c, p. 141, and now the correct name.

CRUCIATA Schuster, 1905, p. 213, *Crioceris*.

Proposed as a new form of *C. asparagi* (L.) and a junior secondary homonym of *C. cruciata* Bon. This category was based on color characters, so it is a color form and of little to no significance. For that reason I will not propose a replacement.

CRUCIFER Tunkl, 1929, p. 164, *Lema*.

Though similar in spelling to *crucifera* Clark, the one-letter difference means that they are not homonymic.

CRUCIFERA Clark, 1866b, p. 49, *Lema*.

A valid name; see *crucifer* Tunkl.

CURTIPENNIS Pic, 1920, p. 20, *Crioceris*, now *Oulema*.

Once a senior primary homonym (see *curtipennis* Pic, 1921a); now a senior secondary homonym (see *curtipennis* Pic, 1940). Monrós, 1960, p. 179, listed *curtipennis* Pic, 1920, as a synonym of *C. nigropunctata* Lac. and also (on p. 228) as a synonym of *O. cylindricollis* Lac. Clearly there is an error in the Monrós treatment of this name. Heinze, 1938, p. 34, presented *curtipennis* Pic, 1920, as a synonym of *nigripunctata* Lac. and discussed the situation. I accept this as a certain association of *curtipennis* Pic, 1920, with *nigropunctata* Lac. and thus regard the Monrós placement of *curtipennis* Pic, 1920, in the synonym of *cylindricollis* Lac. as likely an error.

CURTIPENNIS Pic, 1921a, p. 15, *Crioceris*.

At one time a junior primary homonym (of *curtipennis* Pic, 1920) that Achard, 1924, p. 37, renamed *sandakana*. Pic, 1928, p. 88, needlessly proposed *brevipennis* to replace *curtipennis* Pic, 1921a.

CURTIPENNIS Pic, 1940, p. 6, *Hapsidolema*, now *Oulema*.

A junior secondary homonym of *curtipennis* Pic, 1920. Monrós,

1960, p. 228, placed *Crioceris curtipennis* Pic, 1920, in *Oulema* and synonymized *Hapsidolema* with *Oulema*, thus bringing about secondary homonymy between *curtipennis* Pic, 1920, and *curtipennis* Pic, 1940. Monrós, 1960, proposed the new name *tanganyikana* for *curtipennis* Pic, 1940.

CYANELLA Fabricius, 1775, in Gemminger and Harold, 1874, p. 3256, *Crioceris*, now *Lema*.

This combination represents a misidentification by Fabricius of *lichenis* Voet, and it is not a homonym of *cyanella* L.

CYANELLA Gyllenhal, 1813, in Gemminger and Harold, 1874, p. 3253, *Lema*.

This is a misleading combination and is not homonymic with *cyanella* L. Gemminger and Harold listed this combination beneath *L. cyanella* L. as follows "♀ *cyanella* Gyll." It would appear by this citation that Gyllenhal may have newly proposed the name, but this is not the case. Gyllenhal, 1813, p. 638, actually provided references to earlier citations of *cyanella*, including that of Linnaeus.

CYANELLA Linnaeus, 1758, p. 376, *Chrysomela*, now *Lema*.

A valid name; see *cyanella* Payk., *cyanella* Fab., *cyanella* Weise, *cyanella* Gyll., and *puncticollis* Lac.

CYANELLA Paykull, 1799, p. 83, *Lema*.

This combination appears in Clavareau, 1913, p. 68, and Monrós, 1960, p. 224, and is a misidentification of *L. gallaeciana* (Heyd.); it is thus not homonymic with *cyanella* L.

CYANELLA Weise, 1882, p. 61 (see Jacoby and Clavareau, 1904, p. 6), *Lema*.

Weise in error applied the name *L. cyanella* (L.) to a species that was actually *L. puncticollis* Curt., so *L. cyanella* Weise represents a misidentification and is not homonymic with *cyanella* (L.).

CYANEOFASCIATA Jacoby, 1888b, p. 21, *Lema*.

A valid name; see *cyaneofasciata* Lac.

CYANEOFASCIATA Lacordaire, in Blackwelder, 1946, p. 629, *Lema*.

An error in author citation by Blackwelder. His citation of "cyaneofasciata Lacord. 88-21" should read "cyaneo-fasciata Jacoby, 88-21," for the name is properly credited to Jacoby. Lacordaire died in 1870 and did not validate the name *L. cyaneofasciata*.

CYANEOHUMERALIS Heinze, 1929a, p. 127, *Lema bayoni*.

A valid name and senior primary homonym; see *cyaneohumeralis* Heinze, 1943a.

CYANEOHUMERALIS Heinze, 1943a, p. 106, *Lema diversa*.

A junior primary homonym of *L. bayoni cyaneohumeralis* Heinze that was described as a new form of *L. diversa* Baly. Monrós, 1960, p. 182, presented this as a synonym of *L. diversa*, so no replacement is needed.

CYANIPENNIS Duftschmid, 1825, p. 243, *Lema*.

A junior primary homonym (of *cyanipennis* Fab.) that Suffrian, 1847, p. 100, renamed *rufocyanea*.

CYANIPENNIS Fabricius, 1801, p. 472, *Lema*.

A valid name and senior primary homonym; see *cyanipennis* Duft., *cyanipennis* Lac., and *cyanipennis* Oliv.

CYANIPENNIS Lacordaire, 1845, p. 370, *Lema*.

This combination (see Clavareau, 1913, p. 68, and Monrós, 1960, p. 202) is a misidentification and is not a junior homonym of *cyanipennis* Fab. Baly, 1865a, p. 23, provided the name *lacordairii* for the species to which Lacordaire in error applied *cyanipennis* Fab.

CYANIPENNIS Olivier, 1808, p. 740, *Lema*.

This combination (see Clavareau, 1913, p. 59, and Monrós, 1960, p. 183) is a misidentification of *coromandeliana* Fab. and is not homonymic with *cyanipennis* Fab.

CYLINDRICA Klug, 1835, p. 46, *Lema*, now *Crioceris*.

A valid name; see *elongata* Pic.

CYLINDRICOLLIS Lacordaire, 1845, p. 348, *Lema*, now *Oulema*.

A valid name; see *curtipennis* Pic, 1920.

DARWINI Clavareau, 1904, p. 12, *Lema*.

A replacement for the junior primary homonym *L. mutabilis* Baly, 1878.

DATURAPHILA Kogan and Goeden, 1970, p. 530, *Lema trivittata*.

A replacement for the junior primary homonym *L. trilineata californica* Schaeff.

DECEMPUNCTATA Gebler, 1830, p. 46, *Lema*.

This is the emended and incorrect spelling of the original and correct spelling *ropunctata* (see under the latter) and thus is not homonymic with *decempunctata* Klug.

DECEMPUNCTATA Klug, 1835, p. 46, *Lema*.

A valid name and not homonymic with the incorrect spelling *L. decempunctata* Geb. Lacordaire, 1845, p. 323, believed that *decempunctata* Klug was a junior homonym of *decempunctata* Geb. and offered for *decempunctata* Klug the replacement *klugii*; the latter was needlessly proposed and is an objective synonym of *decempunctata* Klug.

DEFICIENS Heinze, 1927b, p. 220, *Crioceris*, now *Lilioceris*.

Described as a new form of *C. duodecimmaculata* Jac. and thus to be accepted as a subspecies. See *deficiens* Roub.

DEFICIENS Roubal, 1949, p. 46, *Crioceris quatuordecimpunctata*.

Described as a new aberration of *C. quatuordecimpunctata* Scop. and as such is an infrasubspecific name of no standing in nomenclature; thus it is not homonymic with *deficiens* Heinze.

DICHROA Blanchard, 1853, p. 310, *Crioceris*, now *Lema*.

A junior primary homonym of *dichroa* Lac. Now a synonym of *L. coromandeliana* Fab., so no replacement is needed.

DICHROA Lacordaire, 1845, p. 514, *Lema*.

A valid name and senior primary homonym; see *dichroa* Blanch.

DIMIDIATA "Frm.," in Gunst, 1951, pp. 31-32, *Crioceris*.

Gunst described the color variation in a Javanese beetle that he referred to as "*Crioceris dimidiata* Frm." This is almost certainly an erroneous author citation, for *C. dimidiata* from Java was described by Lacordaire, 1845. I find no evidence to indicate that Fairmaire (or any one else whose name may be so abbreviated) ever described a species under the name of *C. dimidiata*.

DIMIDIATA Lacordaire, 1845, p. 572, *Crioceris*, now *Lilioceris*.

A valid name; see *dimidiata* "Frm."

DISCOPSILOTA Monrós, 1960, p. 337, *Lema*.

Emended spelling of *discospilota* Mon., 1960, p. 219, which was provided as a replacement for the junior primary homonym *discosignata* Pic.

DISCOSIGNATA Heinze, 1931, p. 181, *Bradylema*, now *Lema*.

A valid name and synonym of *nigrifrons* Thoms., also a senior primary homonym; see *discosignata* Pic.

DISCOSIGNATA Pic, 1941c, p. 16, *Lema*.

A junior primary homonym (of *discosignata* Heinze) that Monrós, 1960, p. 219, renamed *discospilota*; on page 337 of the same paper, he emended his newly proposed name to *discopsilota*.

DISCOPSILOTA Monrós, 1960, p. 219, *Lema*.

A replacement for the junior primary homonym *discosignata* Pic. Monrós, on page 337 of this paper, emended the spelling to *discopsilota*.

DISTIGMA Weise, 1913b, p. 220, *Lema*.

A replacement for Weise's junior primary homonym *L. quadrimaculata bimaculata* Weise. Monrós, 1960, p. 182, listed (probably in error) *distigma* as a full species rather than as a subspecies of *L. quadrimaculata* Geb.

DIVERSA Baly, 1873, p. 71, *Lema*.

A valid name; see *cyaneohumeralis* Heinze, 1943a, and *suturalis* Heinze.

DIVERSENOTATA Pic, 1931, in Monrós, 1960, p. 227, *Lema*, now *Oulema*.

This is a spelling error and erroneous date given by Monrós; the original spelling was *diversinotata* and the correct date is 1934.

DIVERSENOTATA Pic, 1941b, p. 6, *Lema*.

A junior primary homonym of *Oulema diversinotata* Pic, 1934a, p. 2. Although there is a one-letter difference in the spelling of *diversinotata* Pic, 1934a, and *diversenotata* Pic, 1941b, the use of

different connecting vowels, in this case e and i, still constitutes homonymy (see article 58(8)). As a replacement for the junior homonym *diversenotata*, I offer *subtriangularis*, NEW NAME; this refers to the shape of the dark humeral marking of this species.

DIVERSINOTATA Pic, 1934a, p. 2, *Lema*, now *Oulema*.

A valid name and synonym of *viridisuturalis* Pic (see Monrós, 1960, p. 227); also a senior primary homonym; see *diversenotata* Pic, 1941b, and *diversenotata* Pic, 1931.

DIVERSIPES Pic, 1921b, p. 3, *Lema*.

A senior primary homonym; see *diversipes* Pic, 1931.

DIVERSIPES Pic, 1931, p. 21, *Lema rubricollis*.

A junior primary homonym (of *diversipes* Pic, 1921b) that Pic, 1944, p. 12, renamed *gabonica*. Monrós, 1960, p. 196, failed to include the correct name *gabonica* beneath *L. rubricollis*.

DORSALIS Olivier, 1791, p. 201, *Crioceris*, now *Lema*.

A valid name; see *multimaculata* Pic, *nigricornis* Fab., *nigrimembris* Pic, *nigromaculata* Pic, and *rufofemoralis* Pic.

DOWNESI Baly, in Gemminger and Harold, 1874, p. 3253, *Lema*.

This is an emendation of the original and correct spelling, *downesii*.

According to the rules of nomenclature (see article 58(10)), these spellings are homonymic.

DOWNESII Baly, 1865b, p. 156, *Lema*.

A valid name; see *downesi* Baly.

DUVIVIERI Jacoby, 1900a, p. 203, *Lema*.

A senior primary homonym; see *duvivieri* Jac., 1900c.

DUVIVIERI Jacoby, 1900c, p. 96, *Lema*, now *Oulema*.

A junior primary homonym (of *duvivieri* Jac., 1900a) that Clavareau (in Jacoby and Clavareau, 1904, p. 6) renamed *antonii*. Examination of Jacoby, 1900a, discloses that it was issued on August 1st. Examination of Jacoby, 1900c, has not allowed me to fix the date of issue. I am thus not able to disprove that Jacoby, 1900a, appeared previous to Jacoby, 1900c, so the action of Clavareau in recognizing the senior homonym of these two names stands, as does his replacement.

ECUADORICA Baly, in Clark, 1866a, p. 32, *Lema*.

A needlessly proposed replacement for *L. oculata* Baly; see the latter.

ELEGANS Jacoby, 1878, p. 159, *Lema*.

A senior primary homonym; see *elegans* Mon.

ELEGANS Monrós, 1947a, p. 167, *Lema*.

A junior primary homonym (of *elegans* Jac.) that Monrós, 1951, p. 477, renamed *elegantissima*.

ELEGANTISSIMA Monrós, 1951, p. 477, *Lema*.

A replacement for the junior primary homonym *L. elegans* Mon.

ELONGATA Jacoby, 1898, p. 215, *Crioceris*, now *Lilioceris*.

A valid name; see *elongata* Pic.

ELONGATA Pic, 1937c, p. 108, *Sigrisma*, now *Crioceris*.

A junior primary homonym of *elongata* Jac. *C. elongata* (Pic) is a synonym of *C. cylindrica* Klug, so there is no need for a replacement.

ERICHSONI Suffrian, 1841, p. 104, *Lema*.

A valid name; see *erichsoni* Thoms.

ERICHSONI Thomson, 1866, p. 141, *Lema*.

This name combination (see Clavareau, 1913, p. 78) is a misapplication by Thomson of *L. erichsoni* Suff.; thus it has no nomenclatural standing and is not homonymic with *erichsoni* Suff. Weise, 1880, p. 158, offered *septentrionis* for the species wrongly named by Thomson.

ERYTHROBASALIS Monrós, 1951, p. 477, *Lema*.

A replacement for the junior primary homonym *L. rufobasalis* Heinze.

FAIRMAIREI Clavareau, 1904, p. 14, *Lema*.

A replacement for the junior primary homonym *L. fuscicornis* Fair.

FAIRMAIREI Monrós, 1960, p. 174, *Lilioceris*.

A nomen nudum; see *semirufa* Fair.

FASTIDIOSA Monrós, 1947a, p. 170, *Lema*.

A replacement for the junior primary homonym *L. viridimetallica* Pic.

FLAVIPENNIS Heinze, 1928a, p. 61, *Bradylema bilineata*, now *Lema*.

A junior secondary homonym of *L. flavipennis* Jac. Monrós, 1960, p. 207, listed *flavipennis* Heinze as a synonym of *bilineata* Germ., so no replacement is needed.

FLAVIPENNIS Jacoby, 1888b, p. 33, *Lema*.

Both a senior primary homonym (see *flavipennis* Weise) and a senior secondary homonym (see *flavipennis* Heinze).

FLAVIPENNIS Weise, 1904, p. 158, *Lema bipunctata*.

A junior primary homonym (of *L. flavipennis* Jac.) that Weise, 1913b, p. 220, renamed *straminipennis*.

FLAVOAPICALIS Heinze, 1928a, p. 62, *Lema darwini*.

Described as a new form of *L. darwini* and a senior primary homonym. See *flavoapicalis* Heinze, 1931.

FLAVOAPICALIS Heinze, 1931, p. 201, *Lema*.

A junior primary homonym (of *flavoapicalis* Heinze, 1928a) that Monrós, 1960, p. 193, renamed *heinzei*.

FOVEICOLLIS Gerstaecker, 1871, p. 79, *Lema*.

Because of the double citation of this name in Jacoby and Clavareau, 1904, p. 11, (both under *L. chalcoptera* Lac.), it would appear that Gerstaecker might have proposed *foveicollis* twice, but this is

not the case. He actually described *foveicollis* as a new species with varieties a and b. Jacoby and Clavareau in the synonymy of *L. chalcoptera* cited the varieties separately and both under the name of *foveicollis*.

FOVEIPENNIS Jacoby, 1888b, p. 39, *Lema*.

A senior primary homonym; see *foveipennis* Jac., 1895c.

FOVEIPENNIS Jacoby, 1895c, p. 161, *Lema*.

A junior primary homonym (of *foveipennis* Jac., 1888b) that Clavareau, 1904, p. 12, renamed *lefevrei*.

FUSCICORNIS Fairmaire, 1899, p. 504, *Lema*.

A junior primary homonym of *fuscicornis* Lac., 1845, p. 533; renamed *fairmairei* by Clavareau, 1904, p. 14.

FUSCICORNIS Lacordaire, 1845, p. 533, *Lema*.

A senior primary homonym; see *fuscicornis* Fair.

FUSCOPUNCTATA Clark, 1866b, p. 67, *Crioceris*, now *Lilioceris*.

A synonym of the junior primary homonym *puncticollis* (Lac.) and the correct name for the species because of the homonymy.

GABONICA Pic, 1944, p. 12, *Lema rubricollis*.

A replacement for the junior primary homonym *L. diversipes* Pic, 1931. Monrós, 1960, p. 196, failed to include the correct name *gabonica* under *L. rubricollis*.

GALLAECIANA Heyden, 1870, p. 164, *Lema*.

A valid name and the correct name for a species that has been referred to in the literature as *lichenis* Voet and *lichenis* Weise; see also *laevicollis* Rits. and *obscura* Steph.

GEMMANS Guérin, 1844, p. 261, *Crioceris*, now *Metopoceris*.

A valid name; see *intermedia* Jac.

GERMARI Lacordaire, 1845, p. 365, *Lema*.

A valid name; see *germari* Mon. and *obscuripes* Pic, 1946.

GERMARI Monrós, 1947b, p. 83 (see Monrós, 1960, p. 215), *Lema*.

This combination represents a misidentification of *germari* Lac. made by Monrós, 1947b, p. 83. Monrós, 1960, p. 215, gave the name *plaumani* to the species that he identified in error as *germari* Lac.

GERSTÄCKERI Weise, 1901, p. 155, *Lema chalcoptera*.

This is an incorrect original spelling, for, according to the rules of zoological nomenclature (see article 27), no diacritic marks are to be used in names. The correct spelling is *gerstaeckeri* Weise, which is itself a senior primary homonym; see also *gerstaeckeri* Jac.

GERSTAECKERI Jacoby, 1904, p. 231, *Lema*.

A junior primary homonym (of *gerstaeckeri* Weise) that Weise, 1913b, p. 220, renamed *neglecta*.

GERSTAECKERI Weise, 1901, p. 155, *Lema chalcoptera*.

This is an emended, correct spelling and a senior primary homo-

nym; it was described as a variety. See *gerstäckeri* Weise and *gerstaeckeri* Jac.

GRACILICORNIS Pic, 1923, p. 143, *Crioceris*, now *Lilioceris*.

A junior primary homonym of *gracilicornis* Weise. Achard, 1924, p. 37, listed *gracilicornis* (Pic) as a synonym of *gracilicornis* Weise, so no replacement is needed for *gracilicornis* (Pic). Monrós, 1960, p. 170, failed to cite *gracilicornis* (Pic) beneath *gracilicornis* Weise but did cite Pic's paper beneath *gracilicornis* Weise.

GRACILICORNIS Weise, 1922b, p. 427, *Crioceris*, now *Lilioceris*.

A senior primary homonym and valid name.

GADELUPENSIS Jacobson, 1906, p. 311, *Lema*.

A replacement for the junior secondary homonym *L. scutellaris* Fleut. and Salle.

GUATEMALENSIS Jacoby, 1888b, p. 36, *Lema*.

A name given to the species misidentified by Jacoby, 1880, p. 13, as *pudens* Lac.

GUNDLACHIANA Suffrian, 1874, p. 152, *Lema*.

A replacement for the preoccupied *L. intermedia* Suff.

HAROLDI Baly, 1876, p. 7, *Lema*.

A senior primary homonym; see *haroldi* Jac.

HAROLDI Jacoby, 1878, p. 157, *Lema*.

A junior primary homonym (of *haroldi* Baly) that Clavareau (in Jacoby and Clavareau, 1904) renamed *columbiana*.

HEINZEI Monrós, 1960, p. 193, *Lema*.

A replacement for the junior primary homonym *L. flavoapicalis* Heinze, 1931.

HEYDENI Pic, 1906a, p. 123, *Crioceris asparagi*.

Proposed by Pic for a color form that was misidentified by Heyden as *impupillata* Pic and which has appeared in the literature as *impupillata* Heyd. See *heydeni* Van der Wiel.

HEYDENI Van der Wiel, 1956, p. 19, *Crioceris duodecimpunctata*.

Proposed as "ab. nov." and as such is an infrasubspecific name and not part of our nomenclature; thus it is not homonymic with *heydeni* Pic.

HISPANICA Chobaut, 1907, p. 179 (see Monrós, 1960, p. 178), *Crioceris macilenta*.

This combination is a misapplication by Chobaut of *hispanica* Weise and not a junior homonym of it.

HISPANICA Weise, 1891, p. 373, *Crioceris asparagi*.

A valid name; see *hispanica* Chob. Clavareau, 1913, p. 42, listed this as "ab. *hispanica*," but it was actually proposed as "var. *hispanica*." Monrós, 1960, overlooked this name.

HOMONIMA Monrós, 1947a, p. 169, *Lema*.

A replacement for the junior primary homonym *L. basithorax* Pic, 1926.

HUEIENSIS, NEW NAME, *Lema*.

I offer this as a replacement for the junior secondary homonym *L. bisulcata* Baly.

HUMERALIS Jacoby, 1892b, p. 874, *Crioceris*, now *Lilioceris*.

A valid name; see *humeralis* Papp.

HUMERALIS Papp, 1946, p. 4, *Elisabethana*, now *Crioceris*.

This was proposed as "ab. humeralis nov." of *E. militaris* Jac., so is an infrasubspecific name that does not enter into our nomenclature and is thus not homonymic with *humeralis* Jac.

IGNOTA Heinze, in Monrós, 1960, p. 203, *Lema*.

I believe that this is a premature citation of the species that Heinze described in 1963 as *Bradylema ignota*, and it is a nomen nudum, for it was not validated by the Monrós citation and no year of previous publication was given. Monrós, 1960, ranked *Bradylema* as a synonym of subgenus *Petauristes* of *Lema*. Evidently Monrós was informed that the species *ignota* was to be described, but he did not hold the name back as he should have.

IGNOTA Heinze, 1963, p. 271, *Bradylema*, now *Lema*.

A valid name; see *ignota* Heinze, in Monrós.

IMMACULATA Clark, 1866b, p. 38, *Lema*.

A junior primary homonym by virtue of Clark's, 1866a, p. 27, action. The senior primary homonym appeared on page 51 of the same volume. Clark, 1866a, p. 27, provided the replacement *pura* for the *immaculata* on page 38 and thus made the latter the junior primary homonym. This action can be accepted as correct by article 24(a) of the International Code of Zoological Nomenclature.

IMMACULATA Clark, 1866b, p. 51, *Lema*.

A senior primary homonym; see *immaculata* Clark, 1866b, p. 38.

IMPRESSA Fabricius, 1787, p. 88, *Crioceris*, now *Lilioceris*.

A valid name; see *crassicornis* Oliv.

IMPRESSICOLLIS Fairmaire, 1902, p. 257, *Lema*.

A junior primary homonym of (*impressicollis* Jac.) and a synonym of *madagascariensis* Jac., so no replacement is needed.

IMPRESSICOLLIS Jacoby, 1901, p. 211, *Lema*.

A senior primary homonym and synonym of *sulcicollis* Weise.

IMPRESSIPENNIS Pic, 1944, p. 12, *Lema*.

A replacement for the junior primary homonym *L. biimpressipennis* Pic, 1932.

IMPUPILLATA Heyden, 1906, p. 124, *Crioceris asparagi*.

In Clavareau, 1913, p. 42, and Monrós, 1960, p. 177, this combination would appear to be a junior homonym of *impupillata* Pic; however, it is actually a misapplication of *C. asparagi impupillata* Pic and thus is neither a valid name nor homonymic with *impupillata* Pic. Pic, 1906a, p. 123, provided the name *heydeni* for the color form that Heyden misidentified as *impupillata* Pic.

IMPUPILLATA Pic, 1900, p. 65, *Crioceris asparagi*.

A valid name that was misapplied by Heyden; see *impupillata* Heyd.

INAPICIPENNIS Pic, 1937b, p. 12, *Lema*.

A valid name; see *inapicipennis* Pic, 1939a, p. 30.

INAPICIPENNIS Pic, 1939, in Zoological Record, 1940, p. 282, *Lema*.

This combination is presented in error by the Zoological Record as a new species. Actually Pic, 1939a, p. 30, cited the species that he described as new in 1937 and did not newly propose the name. Thus *inapicipennis* Pic, 1939, is not homonymic with *inapicipennis* Pic, 1937b.

INCONSTANS Clark, 1866a, p. 26, *Lema*.

A valid name; see *tuberculata* Oliv.

INCRUCIFER Pic, 1900, p. 65, *Crioceris*.

A valid name; proposed as a variety of *C. asparagi*. See *incrucifer* Pic, 1906.

INCRUCIFER Pic, "1906, p. 119-123," in Leng and Mutchler, 1933, p. 44, *Crioceris*.

This year and page citation are an error by Leng and Mutchler, for the citation should read "Pic, 1900, p. 65." Thus *incrucifer* Pic, 1906, is not a junior homonym of *incrucifer* Pic, 1900.

INORNATA Heinze, 1928c, p. 62, *Elisabethana*, now *Crioceris*.

A valid name; see *inornata* Weise.

INORNATA Weise, 1923, p. 2, *Crioceris*, now *Lilioceris*.

Weise described "*Crioceris obscuropagiata* ab. *inornata*," so this name is an infrasubspecific category that does not enter into our nomenclature and is not homonymic with *inornata* Heinze.

INSIGNIS Brüggenmann, 1873, p. 515, *Lema*.

I interpret this name as a nomen nudum and thus not homonymic with *insignis* Lac. (described from 'Cafrerie,' an African State). Brüggenmann recorded *insignis* from Bremen, Germany. No description was presented by Brüggenmann for *insignis*. In his paper, the citation is "L. insignis, F. in litt. (cyanella, auct.)." I find no evidence to show that Fabricius described a *L. insignis*. In the Zoological Record, 1876, p. 329, reference to this name is as follows: "*Lema cyanella*, F., nec L. (*puncticollis*, Curt.), re-named *insignis*; F. Brüggenmann," an interpretation with which I do not agree. I believe Brüggenmann intended the citation of *insignis* to be presented as a Fabrician species that had in error been referred to by authors as *cyanella* and did not intend it as a new name for *cyanella*. I find no citation of *insignis* Brüggenmann in catalogs after 1876. See also *insignis* Suff.

INSIGNIS Lacordaire, 1845, p. 324, *Lema*.

A valid name; see *insignis* Brüggenmann and *insignis* Suff.

INSIGNIS Suffrian, 1847, p. 99, *Lema*.

Suffrian mentioned the name *insignis* beneath his treatment of *L. cyanella* Fab., but this was citation in synonymy and did not serve to validate *insignis*, so *insignis* Suff. is not homonymic with *insignis* Lac.

INTERMEDIA Guérin, 1844, p. 261, *Crioceris*, now *Lema*.

A senior secondary homonym; see *intermedia* Lac. and *intermedia* Suff.

INTERMEDIA Jacoby, 1880, p. 16, *Crioceris*, now *Metopocerus*.

A junior primary homonym of *intermedia* Guér. Now a synonym of *M. gemmans* (Guér.), so a replacement is not needed.

INTERMEDIA Lacordaire, 1845, p. 415, *Lema*.

A junior secondary homonym (of *intermedia* Guér.) that Monrós, 1960, p. 44, renamed *lacordaireana*.

INTERMEDIA Suffrian, 1866, p. 287, *Lema*.

A junior secondary homonym of *intermedia* Guér. Renamed *gundlachiana* by Suffrian.

INTERRUPTA Heinze, 1930, p. 24, *Sigrisma*, now *Crioceris*.

Heinze proposed this name as "f. col. interrupta nov." of *S. viridipennis* Pic. I thus interpret this name as referring to an infrasub-specific category and not accepted into our nomenclature. The name *interrupta* Heinze is not, for this reason, homonymic with *C. interrupta* Pic. In the Monrós paper, 1960, p. 181, *interrupta* Heinze is placed in the synonymy of *C. viridipennis* (Pic).

INTERRUPTA Pic, 1907, p. 112, *Crioceris paracentesis*.

A valid name and senior secondary homonym; described as a new variety of *C. paracentesis* L. See *interrupta* Heinze.

JACOBYANA Monrós, 1960, p. 221, *Lema*.

Published needlessly as a replacement for the junior primary homonym *L. bipustulata* Jac., though not clearly indicated by Monrós as a new name. Monrós, 1951, p. 477, had previously provided the new name *bispilota* for *bipustulata* Jac. and failed to list *bispilota* in his 1960 paper. Monrós's *jacobyana* is thus a junior objective synonym of *bispilota* Mon.

JACOBYI Heinze, 1927c, p. 141, *Crioceris*.

A replacement for the junior primary homonym *C. thoracica* Jac.

JACOBYI, NEW NAME, *Lema*.

I offer this name to replace the junior primary homonym *L. niasensis* Jac.

JAKOBI, NEW NAME, *Lilioceris*.

I propose this name to replace the junior secondary homonym *L. minima* Jakob.

JAMAICENSIS, NEW NAME, *Lema*.

I offer this as a replacement for the junior primary homonym *L. notativentris* Pic.

JAVAENSIS Heinze, in Monrós, 1960, p. 186, *Lema*.

This spelling is an error by Monrós. The original and correct spelling was *javanensis*.

JAVANENSIS Heinze, 1942, p. 54, *Lema*.

A valid name and senior primary homonym; see *javaensis* Heinze and *javanensis* Pic.

JAVANENSIS Pic, 1947a, p. 14, *Lema*.

A junior primary homonym of *javanensis* Heinze. As a replacement, I propose *pici*, NEW NAME.

JOLOFA Lacordaire, 1845, p. 311, *Lema*.

A valid name; see *robusta* Lac.

KLUGI Jacoby, 1895c, p. 159, *Lema*.

A junior primary homonym of the available name *klugii* Lac.; renamed *binominata* by Clavareau, 1904. By article 58(10) of the International Code of Zoological Nomenclature, these two spellings (*klugi* and *klugii*) are homonyms.

KLUGII Lacordaire, 1845, p. 323, *Lema*.

Needlessly proposed as a replacement for *L. decempunctata* Klug and an objective synonym of it; also a senior primary homonym; see *klugi* Jac.

KORSCHESKYI Heinze, 1935, p. 192, *Sigrisma*, now *Crioceris*.

A senior primary homonym; see *korschefskyi* Heinze, 1938.

KORSCHESKYI Heinze, 1938, p. 37, *Crioceris*.

A junior primary homonym of *korschefskyi* Heinze, 1935. Monrós, 1960, provided the replacement *natalensis*.

KUWAYAMAE Monrós, 1960, p. 182, *Lema*.

A stillborn name needlessly proposed as a replacement for the invalid name *L. orientalis* Kuw.

LACORDAIREANA Monrós, 1956, p. 44, *Lema*.

A replacement for the preoccupied *L. intermedia* Lac.

LACORDAIREI Baly, 1865a, p. 23, *Lema*.

A valid name; see *lacordairii* Baly.

LACORDAIREI Desbrochers, 1875, p. cxxxviii, *Lema*.

A junior primary homonym of *lacordairei* Baly (original erroneous spelling was *lacordairii*); renamed *algerica* by Pic, 1892.

LACORDAIRII Baly, 1865a, p. 23, *Lema*.

An incorrect original spelling; it should have been *lacordairei*; also a senior primary homonym; see *lacordairei* Desb.

LAEVICOLLIS Baudi, "1890, p. 195," in Clavareau, 1913, p. 68, *Lema*.

This page citation is an error by Clavareau; the page number should have been 243. Thus *laevicollis* Baudi, 1890, p. 195, is not homonymic with *laevicollis* Baudi, 1890, p. 243.

LAEVICOLLIS Baudi, 1890, p. 243, *Lema*, now *Oulema*.

A junior primary homonym of *laevicollis* Rits. and now a synonym

of *O. gallaeciana* Heyd., so no replacement is needed. See also *laevicollis* Baudi, "1890, p. 195."

LAEVICOLLIS Ritsema, 1875, p. 138, *Lema*.

A senior primary homonym (see *laevicollis* Baudi, 1890) and now a synonym of *armata* Fab.

LATEBIFASCIATA Pic, 1941b, p. 10, *Lema*.

A valid name; see *latebifasciata* Pic, 1951, and *latipennis* Pic.

LATEBIFASCIATA Pic, 1951, in Monrós, 1958, p. 186, *Lema*.

This date of 1951 is an error by Monrós, for it should have been 1941, so *latebifasciata* Pic, 1951, is not a homonym of *latebifasciata* Pic, 1941b.

LATEFASCIATA Baly, in Gemminger and Harold, 1874, p. 3256, *Lema*.

This combination was an error by Gemminger and Harold; it should have been *L. latefasciata* Clark. The complete citation in Gemminger and Harold is "latefasciata Baly. Cat. Phyt. App. 1865, p. 53." This is clearly a reference to the appendix in Clark's "Catalogue of Phytophaga" and the page contains the description of *latefasciata* Clark.

LATEFASCIATA Clark, 1866b, p. 52, *Lema*.

A valid name; see *latefasciata* Baly.

LATERITIA Lacordaire, 1845, p. 337, *Lema*.

A senior primary homonym; see *lateritia* Lac., 1845, p. 526.

LATERITIA Lacordaire, 1845, p. 526, *Lema rubida*.

A junior primary homonym of *L. lateritia* Lac., 1845, p. 337. Lacordaire described his "Var. A." of *L. rubida* Lac. and stated "Je l'ai recue de M. Klug sous le nom de *Lema lateritia*." Though inadvertent, this validated the name *lateritia* and made it a junior homonym of *L. lateritia* Lac., 1845, p. 337. Monrós, 1960, p. 220, placed *lateritia* Lac., page 526, as a synonym of *rubida*, so no replacement is needed.

LATICOLLIS Jacoby, 1888a, p. 191, *Lema*, now *Crioceris*.

A senior primary homonym. Described as *L. laticollis*, but later (Jacoby, 1893, p. 271) synonymized with *C. nigropunctata* Lac. According to internal data of the journal in which *laticollis* Jac., 1888a, was published (June), it predated *laticollis* Jac., 1888b, (August), by 2 months. See also *laticollis* Reitt.

LATICOLLIS Jacoby, 1888b, p. 29, *Lema*.

A junior primary homonym of *laticollis* Jac., 1888a. Because of the homonymy, I offer the replacement *maculosa*, NEW NAME, in reference to the markings of this species.

LATICOLLIS Reitter, 1893, p. 302, *Crioceris*.

A junior secondary homonym; see *laticollis* Jac., 1888a. *C. laticollis* Reitt. is a synonym of *C. wagneri* Jacobs., so no replacement is needed.

LATIPENNIS Clark, 1866b, p. 25, *Lema*, now *Lilioceris*.

A senior primary homonym (see *latipennis* Pic) and currently a synonym of *Lilioceris bohemani* (Baly).

LATIPENNIS Pic, 1941b, p. 9, *Lema*.

A junior primary homonym of *latipennis* Clark. Because of the homonymy, the correct name for the species to which *latipennis* Pic refers is its synonym *latebifasciata* Pic.

LECONTEI Clark, 1866a, p. 31, *Lema*.

A replacement for the junior primary homonym *L. trivirgata* LeC. and a synonym of *L. trivittata* Say.

LEFEVREI Clavareau, 1904, p. 12, *Lema*.

A replacement for the junior primary homonym *L. foveipennis* Jac., 1895c.

LICHENIS Voet, 1806, p. 42, *Chrysomela*, now *Lema*.

This is an unavailable name, so is not homonymic with *lichenis* Weise. The names in Voet's publication are not available (see the discussion under *azurea* Voet). Weise, 1882, p. 63, validated *lichenis*, so he gets authorship of the name. The correct name for the species to which *lichenis* Voet has been applied is *gallaeciana* Heyd.

LICHENIS Weise, 1882, p. 63, *Lema*.

Weise, by first validating the unavailable name *lichenis* Voet, got authorship of *lichenis*. However, the correct name for the species to which *lichenis* Weise applies is *gallaeciana* Heyd.

LILII Fabricius, in Monrós, 1960, p. 143, *Lilioceris*.

This combination is an error in author citation by Monrós; it should have been *L. lilii* (Scop.). Thus *L. lilii* Fab. is not a homonym of *L. lilii* (Scop.).

LILII Scopoli, 1763, p. 36, *Attelabus*, now *Lilioceris*.

A valid name; see *lilii* Fab.

LIMBATUS Achard, 1924, in Zoological Record, 1925, p. 172, *Crioceris*.

This is an error in generic assignment by the Zoological Record, for no such name has been validated. In the original literature source (Achard, 1924, p. 37), the name *limbatus* was offered to replace a homonym in the genus *Coenobius* of Chrysomelidae, not in *Crioceris*.

LUSITANICA Linnaeus, 1767, p. 1066, *Chrysomela*, now *Exosoma*.

A valid name; see *abdominalis* Schön.

MACILENTA Pic, 1912, in Zoological Record, 1914, p. 262, *Crioceris asparagi*.

This is a mistake in author citation by the Zoological Record. In the Pic, 1912, p. 50, paper, *macilenta* is not presented as a new name but is attributed to Weise; thus *macilenta* Pic is not an available name and is not homonymic with *macilenta* Weise.

MACILENTA Weise, 1880, p. 158, *Crioceris*.

A valid name; see *macilenta* Pic and also *bimaculata* Fue., *quadri-maculata* Chob., and *weisei* Heyd.

MACULATA Weise, 1913b, p. 219, *Lema mystica*.

A replacement for *L. septemmaculata* Lac., 1845, p. 427, a junior primary homonym. See also *L. septemmaculata* Lac., 1845, p. 461. Monrós, 1960, p. 210, failed to include in his list the replacement *L. maculata* Weise.

MACULOSA, NEW NAME, *Lema*.

A replacement for the junior primary homonym *laticollis* Jac., 1888b.

MADAGASCARENSIS, NEW NAME, *Liliocerus*.

I offer this as a replacement for the junior primary homonym *L. semirufa* Fair.

MAIDRONI Jacoby, in Monrós, 1960, p. 186, *Lema*.

A spelling error by Monrós for *L. maindroni* Jac.; see *maidroni* Pic.

MAIDRONI Pic, in Monrós, 1960, p. 188, *Lema*.

A spelling error by Monrós for *L. maindroni* Pic.

MAINDRONI Jacoby, 1908, p. 56, *Lema*.

A senior primary homonym; see *maindroni* Pic.

MAINDRONI Pic, 1929, p. 15, *Lema femorata*.

A junior primary homonym; see *maindroni* Jac. Also a synonym of *L. subinnotata* Pic, so no replacement is needed.

MALAYANA Jacoby, 1900b, p. 384, *Lema*.

A junior primary homonym (of *malayana* Lac.) that Clavareau, 1904, p. 10, renamed *orientalis*.

MALAYANA Lacordaire, 1845, p. 378, *Lema*.

A senior primary homonym; see *malayana* Jac.

MANIPURENSIS Clavareau, 1913, p. 69, *Lema*.

A replacement for the junior primary homonym *L. obliterated* Jac., 1908.

MANNERHEIMI Lacordaire, 1845, p. 384, *Lema*.

Proposed for the species to which Guérin misapplied the name *Criocerus tuberculata* Oliv. and which has therefore been referred to in the literature in error as *C. tuberculata* Guér.

MARGINATA Guérin, in Guérin and Chevrolat, 1838, p. 285, *Lema*.

A junior secondary homonym (of *marginata* Oliv.) that Lacordaire, 1845, renamed *perizonata*.

MARGINATA Olivier, 1808, p. 748, *Criocerus*, now *Lema*.

A valid name and senior secondary homonym; see *marginata* Guér.

MARTINI Clavareau, 1904, p. 20, *Lema*.

A name proposed in error for the senior primary homonym (*bisulcata* Jac.) rather than for the junior primary homonym (*bisulcata* Baly) as it should have been, and it is thus a junior objective synonym of *bisulcata* Jac.

MEDIOFASCIATA Heinze, 1942, p. 56, *Lema*.

A valid name and senior primary homonym; see *mediofasciata* Pic.

MEDIOFASCIATA Pic, 1949, p. 12, *Lema*.

A junior primary homonym (of *mediofasciata* Heinze) that Monrós, 1960, p. 187, renamed *mediovittata*.

MEDIOVITTATA Monrós, 1960, p. 187, *Lema*.

Proposed as a replacement for the junior primary homonym *mediofasciata* Pic.

MELANOCEPHALA DeJean, in Gemminger and Harold, 1874, p. 3257, *Lema*.

Not a valid name. *L. melanocephala* was first published in the DeJean catalog, 1835, p. 359, and again in 1837, p. 386, where it was a nomen nudum, for it was not accompanied by a definition, description, or indication. Gemminger and Harold published *L. melanocephala* DeJ. as a synonym of *L. nigrovittata* Guer. According to article 11(d) of the rules of nomenclature, publication in synonymy does not validate a name. Consequently, *L. melanocephala* was not validated by either DeJean or Gemminger and Harold, so is not homonymic with *melanocephala* Say.

MELANOCEPHALA Lacordaire, 1845, in Jacoby and Clavareau, 1904, p. 15, *Lema*.

A misleading combination. As this name is presented by Jacoby and Clavareau (listed beneath *melanocephala* Say), it would appear that Lacordaire proposed *melanocephala* separate from *melanocephala* Say. However, this is not the case, for Lacordaire beneath his treatment of *melanocephala* (p. 546) gave a reference for Say's description.

MELANOCEPHALA Say, 1826, p. 294, *Lema*.

A valid name; see *melanocephala* DeJ.

MELANOPA Fabricius, 1801, p. 476, in Jacoby and Clavareau, 1904, p. 5, *Lema*.

A misleading combination. As presented by Jacoby and Clavareau, it would appear that Fabricius proposed the name *melanopa* separate from *melanopus* L.; however, this is not the case. Fabricius cited the original source of the name *melanopus* L., so *melanopa* Fab. is neither a valid name nor a homonym.

MELANOPUS Linnaeus, 1758, p. 376, *Chrysomela*, *Lema*, now *Oulema*.

A valid name; see *melanopa* Fab., *atrata* Waltl, and *walti* Heinze.

MERDIGERA Fabricius, 1775, in Clavareau, 1913, p. 47, *Crioceris*, now *Lilioceris*.

This combination represents a misapplication by Fabricius of the name *merdigera* L. (now in *Lilioceris*) to the species known as *L. lili* (Scop.), and it is not a junior homonym of *L. merdigera* (L.).

MERDIGERA Linnaeus, 1758, p. 375, *Chrysomela*, now *Lilioceris*.

A valid name; see *merdigera* Fab. and *abdominalis* Com.

METALLICA Donckier de Donceel, 1885, p. 9, *Lema*.

A replacement for the homonym *steinheili* Jac. Donckier de Donceel considered that *steinheili* Baly was older than *steinheili* Jac.; however, Heinze, 1927c, p. 141, reversed the action of Donckier de Donceel and renamed *steinheili* Baly as *columbiensis*, thus recognizing *steinheili* Jac. as the senior primary homonym. I cannot show that Heinze was in error, so his action will stand. See *metallica* Duv.

METALLICA Duvivier, 1885, p. 9, in litt., *Lema*.

This combination is an error in author citation and is not homonymic with *metallica* Donck.; the latter is the correct combination. *L. metallica* was proposed as a replacement for the homonym *L. steinheili* Jac. by H. Donckier de Donceel in an article in "Memoires de la Societe Royale des Sciences de Liege" immediately before an article, also on Chrysomelidae, by Antoine Duvivier. The two authors have been confused, and Duvivier has in most publications been credited in error with authorship of *metallica* (see Clavareau, 1913, p. 70; Jacoby and Clavareau, 1904, p. 20; Heinze, 1927c, p. 141; Blackwelder, 1946, p. 630; and Monrós, 1960, p. 214).

METHNERI Heinze, 1927a, p. 164, *Atactolema cribraria*, now *Lema*.

A valid name and a synonym of *L. cribraria* Jac. See *methneri* Heinze, 1963.

METHNERI Heinze, 1963, p. 298, *Atactolema*, now *Lema*.

L. methneri Heinze, 1963, is the same taxon as *L. methneri* Heinze, 1927a, and these names are not homonyms. In the Zoological Record, 1966, p. 294, *Atactolema methneri* Heinze is presented as a new species. Heinze, 1963, p. 298, in the paper that was the source for this name gave the very misleading heading "*Atactolema methneri* n. sp. Heinze." He should have worded his heading "*Atactolema methneri* new status," for below the heading he gave the reference to the original description of *methneri* (Heinze, 1927a, p. 164). Thus in his 1963 paper he simply raised *methneri* from subgenus to species.

MINIMA Jakob, 1961, p. 61, *Lilioceris*.

A junior secondary homonym (of *minima* Pic) for which I propose the replacement *jakobi*, NEW NAME.

MINIMA Pic, 1935, p. 12, *Crioceris*, now *Lilioceris*.

A senior secondary homonym; see *minima* Jakob.

MONTICOLA Clavareau, 1913, p. 71, *Lema*.

Provided as a replacement for the junior primary homonym *L. verticalis* Weise.

MULTICHROMA Monrós, 1951, p. 477, *Lema*.

A name needlessly proposed as a replacement for *variegata* Pic.

MULTIMACULATA Jacoby, 1893, p. 266, *Lema*.

A valid name and senior primary homonym; see *multimaculata* Pic.

MULTIMACULATA Pic, 1947b, p. 5, *Lema gracilis*.

A junior primary homonym of *multimaculata* Jac. This name now is in the synonymy of *L. dorsalis* (Oliv.) (see Monrós, 1960, p. 218), so no replacement is needed.

MULTIPUNCTATA Clark, 1864, p. 249, *Crioceris*.

A valid name; see *multipunctata* Pic.

MULTIPUNCTATA Pic, in Clavareau, 1913, p. 42, *Crioceris*.

This is a spelling error by Clavareau and not a junior homonym of *multipunctata* Clark. The spelling should have been *multiplicata* Pic.

MUTABILIS Baly, 1865a, p. 11, *Lema*.

A valid name and senior primary homonym; see *mutabilis* Baly, 1878.

MUTABILIS Baly, 1878, p. 308, *Lema*.

A junior primary homonym (of *mutabilis* Baly, 1865a) that was renamed *darwini* by Clavareau (in Jacoby and Clavareau, 1904, p. 12).

MUTATUS Achard, 1924, in Zoological Record, 1925, p. 172, *Crioceris*.

This combination is an error by the Zoological Record, for no such name has been validly proposed. In the original literature source (Achard, 1924, p. 37), the name *mutatus* was actually proposed to replace a homonym in *Ditropidus* of Chrysomelidae, not in *Crioceris*.

NATALENSIS Monrós, 1960, p. 179, *Crioceris*.

Provided as a replacement for the junior primary homonym *korschefskyi* Heinze, 1938.

NEAVEI Heinze, in Monrós, 1960, p. 204, *Lema*.

This is a nomen nudum and premature citation of *Bradylema neavei* Heinze, 1963, p. 289, so is not homonymic with it. Evidently Monrós knew that the species *neavei* was to be described by Heinze. In the Monrós citation, no year of publication was given for *neavei* Heinze, but the locality (Nyassaland) agrees with that given by Heinze, 1963, for his *neavei*. Monrós, 1960, placed *Bradylema* as a synonym of subgenus *Petauristes* of *Lema*.

NEAVEI Heinze, 1963, p. 289, *Bradylema*, now *Lema*.

A valid name; see *neavei* Heinze, in Monrós.

NEGLECTA Weise, 1913b, p. 220, *Lema*.

Provided as a replacement for the junior primary homonym *L. gerstaeckeri* Jac.

NEPTIS Weise, 1922a, p. 40, *Crioceris*, now *Lilioceris*.

A valid name; see *subpolita* Jac.

NIASENSIS Jacoby, 1900b, p. 387, *Lema*.

A junior primary homonym of *niasiensis* Weise, 1892, p. 387; the latter was described as a new species from the island of Nias. According to the rules of zoological nomenclature concerning spelling differences that still constitute homonymy (article 58(11)), the names *L. niasiensis* Weise and *niasensis* Jac. are homonyms. As a replacement for *niasensis* Jac., I hereby propose *jacobyi*, NEW NAME.

NIASIENSIS Weise, 1892, p. 387, *Lema gestroi*.

A senior primary homonym (see *niasensis* Jac.). Proposed for a new variety of *L. gestroi* from the island of Nias.

NIGRICANS Jacobs, 1926, p. 166, *Lema*.

This is proposed as "*Lema puncticollis* Curtis, nov. a. *nigricans* W. Jac.," and as an aberration it is an infrasubspecific category, so is not homonymic with *nigricans* West. (now in *Oulema*).

NIGRICANS Suffrian, in Westhoff, 1882, p. 261, *Lema*.

See *nigricans* West.

NIGRICANS Westhoff, 1882, p. 261, *Lema*, now *Oulema*.

This was proposed by Westhoff as "var. *nigricans* Suffr." with a two-word description. I find no evidence that Suffrian proposed such a name and attribute authorship to Westhoff as of this citation; the name is to be regarded as of subspecific status. See *nigricans* Jacobs.

NIGRICORNIS Fabricius, 1798, p. 91, *Lema*.

A valid name and senior secondary homonym; see *nigricornis* Heinze. This name is in the synonymy of *L. dorsalis* Oliv.; see Monrós, 1960, p. 218.

NIGRICORNIS Heinze, 1928a, p. 53, *Bradylema rufosuturalis*, now *Lema*.

A junior secondary homonym of *L. nigricornis* Fab. Heinze described *Bradylema rufosuturalis nigricornis* as a new variety. Chûjô, 1951, p. 93, reduced *Bradylema* to a subgenus of *Lema* and thus brought about the secondary homonymy with *nigricornis* Fab. Because of synonymy of *nigricornis* Heinze with *L. rufosuturalis* (Heinze) (see Monrós, 1960, p. 204), no new name is needed.

NIGRILABRIS Jacoby, 1888c, p. 153, *Lema*.

A valid name and senior primary homonym; see *nigrilabris* Jac., 1894.

NIGRILABRIS Jacoby, 1894, p. 267, *Lema*.

A junior primary homonym of *nigrilabris* Jac., 1888c. Clavareau, 1904, p. 10, provided the replacement *rotschildi*. Monrós, 1960, p. 188, misspelled the latter *rotschildi*.

NIGRIMEMBRIS Heinze, 1928a, p. 60, *Bradylema mitis*, now *Lema*.

A senior secondary homonym (see *nigrimembris* Pic) and a synonym of *L. mitis* (Clark) (see Monrós, 1960, p. 204).

NIGRIMEMBRIS Pic, 1946, p. 12, *Lema*.

A junior secondary homonym of *nigrimembris* Heinze and a synonym of *L. dorsalis* (Oliv.). Because *nigrimembris* Pic is a synonym, no replacement is needed.

NIGRIPES Fabricius, 1775, p. 120, *Crioceris*, now *Lilioceris*.

A valid name and senior primary homonym; see *nigripes* Pic.

NIGRIPES Müller, 1949, p. 76, *Crioceris quatuordecimpunctata*.

A junior primary homonym (of *nigripes* Fab.). This name was proposed for a variety, so is to be accepted as referring to a subspecies. Monrós, 1960, p. 176, listed this as a synonym of *C. quatuordecimpunctata* (Scop.), so there is no need for a replacement.

NIGRIPES Pic, 1891, p. 51, *Crioceris tibialis*, now *Lilioceris*.

A junior primary homonym of *nigripes* Fab. Monrós, 1960, p. 169, listed this as a synonym of *L. tibialis* (Villa), so no replacement is needed.

NIGRIVENTRIS Fall, 1928, p. 238, *Lema trilineata*.

A junior primary homonym of *nigriventris* Gerst. Schaeffer, 1933, provided the replacement *californica*, itself a junior homonym.

NIGRIVENTRIS Gerstaecker, 1871, p. 79, *Lema*.

A valid name and senior primary homonym; see *nigriventris* Fall.

NIGROFRONTALIS Clark, 1866b, p. 40, *Lema*.

A valid name and senior primary homonym; see *nigrofrontalis* Jac.

NIGROFRONTALIS Jacoby, 1904, p. 232, *Lema*.

A junior primary homonym (of *nigrofrontalis* Clark) that Clavareau, 1913, p. 77, renamed *salisburyensis*.

NIGROHUMERALIS Bryant, 1940, p. 3, *Lema*.

A junior primary homonym (of *nigrohumeralis* Heinze) that Monrós, 1947a, p. 170, renamed *binomis*.

NIGROHUMERALIS Heinze, 1932, p. 841, *Lema*.

A valid name and senior primary homonym; see *nigrohumeralis* Bry.

NIGROMACULATA Jacoby, 1880, p. 9, *Lema*.

A valid name and senior primary homonym; see *nigromaculata* Pic.

NIGROMACULATA Pic, 1941b, p. 14, *Lema*.

A junior primary homonym of *nigromaculata* Jac. *L. nigromaculata* Pic is listed by Monrós, 1960, p. 218, as a synonym of *L. dorsalis* (Oliv.), so no replacement is needed.

NIGROORNATA Clark, 1866a, p. 40, *Crioceris*.

Proposed as a replacement for the junior primary homonym *nigropicta* Clark, 1866b.

NIGROPICTA Clark, 1866b, p. 70, *Crioceris*.

A junior primary homonym (of *nigropicta* Woll.) that Clark, 1866a, p. 40, renamed *nigroornata*.

NIGROPICTA Wollaston, 1864, p. 394, *Crioceris*.

A senior primary homonym; see *nigropicta* Clark.

NIGROPUNCTATA Lacordaire, 1845, p. 585, *Crioceris*.

A valid name; see *curtipennis* Pic, 1920, and *laticollis* Jac., 1888a.

NITIDA Lacordaire, 1845, p. 550, *Crioceris*, now *Metopoceris*.

A valid name and a senior primary homonym; see *nitida* Weise.

NITIDA Weise, 1913c, p. 129, *Crioceris*, now *Lilioceris*.

A junior primary homonym that Weise, 1913a, renamed *nitidissima*. See *nitida* Lac.

NITIDISSIMA Weise, 1913a, p. 18, *Crioceris*, now *Lilioceris*.

A replacement for the junior primary homonym *nitida* Weise.

NOTATIVENTRIS Pic, 1941a, p. 11, *Lema*.

A junior primary homonym of *notativentris* Schaef. As a replacement, I hereby propose *jamaicensis*, NEW NAME.

NOTATIVENTRIS Schaeffer, 1920, p. 322, *Lema*.

A senior primary homonym of *notativentris* Pic and a synonym of *L. trilineata* (Oliv.).

OBLITERATA Baly, 1865a, p. 30, *Crioceris*.

A senior primary homonym; see *obliterata* Pic.

OBLITERATA Jacoby, 1888b, p. 16, *Lema*.

A senior primary homonym; see *obliterata* Jac., 1908.

OBLITERATA Jacoby, 1908, p. 16, *Lema*.

A junior primary homonym (of *obliterata* Jac., 1888b) that Clavareau, 1913, p. 69, renamed *manipurensis*.

OBLITERATA Pic, 1906b, p. 96, *Crioceris*.

A junior primary homonym; described as a variety of *asparagi*, but it is actually just a color form. It is in the synonymy of *asparagi* in Monrós, 1960, p. 178, so no replacement is needed.

OBSCURA Fabricius, 1801, p. 476, *Lema*.

A valid name and a senior secondary homonym; see *obscura* Steph. and *obscura* Norm.

OBSCURA Normand, 1937, p. 120, *Lema*, now *Oulema*.

Proposed as "L. Hoffmannseggii ab. *obscura* nov.," and as such it is an infrasubspecific category that is not part of our nomenclature, so is not a homonym of *obscura* Fab.

OBSCURA Stephens, 1831-32, p. 281, *Crioceris*, *Lema*, now *Oulema*.

A junior secondary homonym of *obscura* Fab. Now listed as a synonym of *O. gallaeciana* (Heyd.), so no replacement is needed.

OBSCURIPES Pic, 1916a, p. 3, *Incisolema testaceipes*, now *Lema*.

A senior secondary homonym; described as a new variety of *I.*

testaceipes. Monrós, 1951, p. 480, reduced *Incisolema* to a subgenus of *Lema*. See *obscuripes* Pic, 1946.

OBSCURIPES Pic, 1946, p. 12, *Lema platanensis*.

A junior secondary homonym of *obscuripes* Pic, 1916a, and a synonym of *L. germari* Lac., so no replacement is needed.

OCTOMACULATA Lacordaire, 1845, p. 448, *Lema*.

A valid name and senior primary homonym; see *octomaculata* Tunkl.

OCTOMACULATA Tunkl, 1929, p. 164, *Lema crucifer*, now *Crioceris*.

A junior primary homonym. Now a synonym of *C. asparagi* (L.), so no replacement is needed.

OCULATA Baly, 1859, p. 149, *Lema*.

Baly (in Clark, 1866a, p. 32) offered the replacement *ecuadorica* for *oculata* Baly on the belief that it was a junior homonym of *L. oculata* Oliv. However, *oculata* Oliv. was an emendation or spelling error for *oculatata* and is not a valid name; thus *oculata* Baly is a valid name and *ecuadorica* was needlessly proposed.

OCULATA Fabricius, 1775, p. 121, *Crioceris*.

This is an emended and incorrect spelling for *oculatata* Fab. See also *oculata* Oliv. and *oculata* Baly.

OCULATA Olivier, 1791, p. 200, *Crioceris*, now *Lema*.

This is an emendation of *oculatata* Fab. and incorrect author citation; thus it has no standing. In many taxonomic papers, *oculata* Oliv. has been accepted as a valid name (e.g., Clavareau, 1913, p. 72; Monrós, 1960, p. 200), but the correct name and combination are *oculatata* Fab. The Olivier description of what he called *oculata* (from New Holland) is identical with the description given by Fabricius, 1775, p. 121, for his *oculatata* (from New Holland). In addition, Olivier gave a literature reference for the Fabricius description.

OCULATATA Fabricius, 1775, p. 121, *Crioceris*, now *Lema*.

A valid name combination though often overlooked. Many authors have used the emended spelling and erroneous author citation *oculata* Oliv. (see the discussion under the latter). Though the spelling *oculatata* is grammatically incorrect, there is no corrected citation of the name elsewhere in Fabricius, 1775, so by article 32(a) the name must be accepted as is.

OLIVIERI Lacordaire, 1845, p. 401, *Lema*.

This name was given to the species misidentified by Olivier, 1791, p. 199, as *Crioceris ruficollis* Fab.

OPULENTA Harold, in Gemminger and Harold, 1874, p. 3258, *Lema*.

Proposed as a replacement for the junior primary homonym *L. ornata* Baly.

ORIENTALIS Clavareau, 1904, p. 10, *Lema*.

Proposed as a replacement for the junior primary homonym *L. malayana* Jac.

- ORIENTALIS** Kuwayama, in Medvedev, 1958, p. 106, *Lema cyanella*.
No such combination has been validly published. The name first appeared in Medvedev, 1958, and was there a nomen nudum. Monrós, 1960, p. 182, thinking that *orientalis* Kuw. was a junior synonym of *L. orientalis* Clav., proposed the unneeded replacement *kuwayamae*. Chûjô and Kimota, 1961, p. 128, pointed out that there is no validly published *orientalis* Kuw.
- ORNATA** Baly, 1865b, p. 158, *Lema*.
A junior primary homonym of *ornata* Grav. Harold (Gemminger and Harold, 1874, p. 3258) provided the replacement *opulenta*.
- ORNATA** Gravenhorst, 1807, p. 138, *Lema*.
A valid name and senior primary homonym; see *ornata* Baly.
- PAPUANA** Lacordaire, 1845, p. 341, *Lema*.
A needlessly proposed name and objective synonym of *bicolora* Boisd. Lacordaire in error took *bicolora* Boisd. to be a homonym of *bicolor* Fab.
- PARRYI** Baly, 1861, p. 277, *Lema*.
A valid name; see *parryi* Heinze.
- PARRYI** Heinze, 1928a, p. 46, in Monrós, 1960, p. 204, *Lema*.
This is an error by Monrós, for no such name has been validly proposed and this is so recognized by Monrós in his corrigenda, p. 337.
- PARVIPUNCTATA** Heinze, 1928b, p. 12, *Lema armata*, now *Lema*.
A valid name; described as "f. nov. *parvipunctata*." See *parvipunctata* Heinze, 1963.
- PARVIPUNCTATA** Heinze, 1963, p. 314 (and see Zoological Record, 1966, p. 295), *Lema*.
This is a misleading citation by both Heinze and the Zoological Record, and this name is not homonymic with *L. armata parvipunctata* Heinze, 1928b. When Heinze in 1963 raised his subspecies *L. armata parvipunctata* to the species level, he gave the very misleading heading "9. *Lema parvipunctata* n. sp. Heinze." Immediately below he presented the literature citation for the 1928 description of "*Lema armata* ab. *parvipunctata*"; it was actually described as "f. nov. *parvipunctata*." Clearly Heinze in his 1963 paper should have worded his heading as "*Lema parvipunctata* new status." Thus the citation in the Zoological Record, 1966, p. 295, of *L. parvipunctata* as a new species is a mistake caused by the misleading heading published by Heinze, 1963.
- PERIZONATA** Lacordaire, 1845, p. 397, *Lema*.
Provided as a replacement for the junior secondary homonym *L. marginata* Guer.
- PICI, NEW NAME**, *Lema*.
I propose this as a replacement for the junior primary homonym *L. javanensis* Pic.

PLAUMANI Monrós, 1960, p. 215, *Lema*.

A name given to the species that Monrós, 1947b, p. 83, identified in error as *germari* Lac.

POTENS Heinze, 1943, in Gressitt and Kimoto, 1961, p. 52, *Lilioceris*.

A misleading combination. Both this combination and *Crioceris potens* Weise are listed separately beneath *L. lateritia* (Baly) in Gressitt and Kimoto, 1961. In the latter paper it would appear that *potens* Heinze was proposed as a new name by Heinze and is thus homonymic with *potens* Weise; however, this is not the case. Gressitt and Kimoto should have cited this combination as follows: "*Lilioceris potens* (Weise), Heinze." Heinze, 1943a, p. 103, correctly cited Weise as author of *potens* and did not newly propose the name.

POTENS Weise, 1922a, p. 39, *Crioceris*, now *Lilioceris*.

A valid name and synonym of *L. lateritia* (Baly); see Gressitt and Kimoto, 1961, p. 52.

PRAECLARA Baly, 1865b, p. 159, *Lema*.

A valid name and senior primary homonym; see *praeclara* Clark.

PRAECLARA Clark, 1866b, p. 38, *Lema*.

A junior primary homonym. Clark, 1866a, p. 27, offered the replacement *praeclarior*.

PRAECLARIOR Clark, 1866a, p. 27, *Lema*.

Proposed as a replacement for the junior primary homonym *L. praeclara* Clark.

PUDENS Jacoby, in Clavareau, 1913, p. 65, *Lema*.

A misidentification of *L. pudens* Lac. and not a junior homonym of it. Jacoby, 1888b, p. 36, gave the name *guatemalensis* to the species he misidentified as *pudens* Lac.

PUDENS Lacordaire, 1845, p. 515, *Lema*.

A valid name; see *pudens* Jac.

PUNCTATISSIMA Heinze, 1937, p. 11, *Lilioceris latipennis*.

Heinze, under the heading of *Lilioceris latipennis* Clark, listed "f. sculpt.," gave the following citation "*Crioceris punctatitissima* Weise i. litt.," and briefly described the category. This name was never validated by Weise. I interpret its citation by Heinze as referring to an infrasubspecific category, so I do not accept it into our nomenclature. See *punctatissima* Weise.

PUNCTATISSIMA Weise, in Heinze, 1927b, p. 218, and Heinze, 1937, pp. 9, 11, first *Crioceris*, then *Lilioceris*.

My findings indicate that this name was never validated by Weise. Heinze, 1927b, p. 218, under the discussion of *C. livida* Dalm. referred to *punctatissima* Weise in passing but did not validate the name. Heinze, 1927b, p. 219, under the synonymy of *C. bohemani* listed "f. *punctatissima* (Weise, i. litt.);" this citation did not validate the name. See *punctatissima* Heinze.

PUNCTICOLLIS Curtis, 1830, pl. 323, *Crioceris*, now *Lema*.

A senior primary homonym; see *puncticollis* Lac. Now a synonym of *L. cyanella* (L.).

PUNCTICOLLIS Lacordaire, 1845, p. 567, *Crioceris*, now *Lilioceris*.

A junior primary homonym of *puncticollis* Curt. Because of the homonymy, the correct name for the species is its synonym *fusco-punctata* Clark.

PUPILLATA Ahrens, 1812, p. 30, *Lema*, now *Crioceris*.

Described as *L. pupillata* but now a synonym of *C. asparagi* (L.); see *pupillata* Heyd.

PUPILLATA Heyden, 1906, in Clavareau, 1913, p. 43, *Crioceris asparagi*.

This is a misleading combination and is not homonymic with *pupillata* Ahr. Heyden, 1906, p. 124, cited Ahrens as author of *pupillata*. Clavareau should have cited the combination as *pupillata* Heyd. (not Ahrens), for the name represents a misidentification by Heinze of *C. asparagi*.

PURA Clark, 1866a, p. 27, *Lema*.

Proposed as a replacement for the junior primary homonym *L. immaculata* Clark, 1866b, p. 38.

QUADRIMACULATA Chobaut, 1907, p. 179, *Crioceris macilenta*.

Described as a new variety of *C. macilenta* Weise and a junior primary homonym. Monrós, 1960, p. 178, listed this as a synonym of *macilenta*, so no replacement is needed. See *quadrimaculata* Fab.

QUADRIMACULATA Fabricius, 1781, p. 152, *Crioceris*, *Asbecosta*, now *Aulacophora* (Galerucinae of Chrysomelidae).

A senior primary homonym; see *quadrimaculata* Chob.

QUADRIMACULATA Linnaeus, 1758, p. 376, *Chrysomela*, now *Phyllobrotica*.

A valid name; see *bimaculata* Panz.

QUADRIPLAGIATA Baly, 1865b, p. 155, *Lema*.

A valid name and senior primary homonym; see *quadriplagiata* Heinze.

QUADRIPLAGIATA Heinze, 1943a, p. 106, *Lema diversa*.

A junior primary homonym of *L. quadriplagiata* Baly; treated by Monrós, 1960, p. 182, as a synonym of *L. diversa*, so no replacement is needed. This was described as a new form of *L. diversa* and is thus to be accepted as a subspecies.

QUADRIPUNCTATA Olivier, 1808, p. 741, *Crioceris*, now *Lema*.

A senior secondary homonym; see *quadripunctata* Swartz.

QUADRIPUNCTATA Swartz, in Schönherr, 1808, p. 281, *Lema*.

Both this combination and *L. quadripunctata* (Oliv.) were validated in 1808. Clark, 1866a, provided the replacement *swartzii* for *quadripunctata* Swartz. I have examined closely the publications of both

Olivier and Swartz and find no internal evidence to indicate exact dates of publication. I am thus unable to show that Clark's action was incorrect, so accept his indication that *quadripunctata* Swartz is the junior homonym.

QUATORDECIMPUNCTATA Scopoli, 1763, p. 37, *Attelabus*, now *Crioceris*.

A valid name; see *nigripes* Müll.

QUINQUEPUNCTATA Fabricius, 1787, p. 88 (see Gemminger and Harold, 1874, p. 3266), *Crioceris*.

Not a valid name. Fabricius in this volume used many old names and proposed new ones. However, he gave no literature citations for the old names, so, as he presented the names, there is no way of distinguishing between old and new ones. In the case of this name, he may have been using Scopoli's name, 1763, or, in ignorance of that, he may have been proposing a new one; there is no way to be certain of what his intent was. However, in Jacoby and Clavareau, 1904, p. 27, and in Clavareau, 1913, p. 50, the Fabrician citation of *quinquepunctata* has been accepted as a reuse of Scopoli's name, and I have no evidence to indicate otherwise.

QUINQUEPUNCTATA Schrank, 1781, p. 97, *Chrysomela*, now *Crioceris*.

I interpret this as a junior secondary homonym of *quinquepunctata* (Scop.), and I believe it is the same species. Schrank in his paper provided references for previously proposed names, but he did not provide a reference for this name. I believe he intended it as a new name, though it was not clearly designated as such. Gemminger and Harold, 1874, p. 3266, listed this beneath *quinquepunctata* Scop.; it was not included in Jacoby and Clavareau, 1904, and was not in Clavareau, 1913.

QUINQUEPUNCTATA Scopoli, 1763, p. 36, *Attelabus*, now *Crioceris*.
A senior secondary homonym; see *quinquepunctata* Schrank and *quinquepunctata* Fab.

RANGOONENSIS, NEW NAME, *Lema*.

I propose this as a replacement for the junior primary homonym *L. rugifrons* Jac., 1889.

ROBUSTA Jacoby, 1892b, p. 869, *Lema*.

A junior primary homonym of *robusta* Lac. and renamed *crioceroides* by Jacoby, 1893.

ROBUSTA Lacordaire, 1845, p. 312, *Lema*.

A senior primary homonym; see *robusta* Jac. Now a synonym of *L. jolofa* Lac.

ROPUNCTATA Gebler, 1830, p. 196, *Lema*.

This is the original and correct spelling of the name that has since appeared as *decempunctata* Geb. It is quite likely that *ropunctata*

is a typographical error for *10punctata*; however, the spelling *ropunctata* only appears in the Gebler publication. For *decempunctata* Geb. to be accepted as the correct spelling, there must be in the Gebler publication clear evidence of an inadvertent error (see article 32(a)(ii)), and since I have found no such clear evidence, the spelling of *ropunctata* must be accepted. See *decempunctata* Geb. and *decempunctata* Klug.

ROTHSCHILD Clavareau, 1904, p. 10, *Lema*.

Provided as a replacement for the junior primary homonym *L. nigrilabris* Jac., 1894.

ROTSCHILD Clavareau, in Monrós, 1960, p. 188, *Lema*.

A spelling error by Monrós for *rothschildi*.

RUBIDA Lacordaire, 1845, p. 525, *Lema*.

A valid name; see *lateritia* Lac., 1845, p. 526.

RUBIFRONS Clavareau, 1904, p. 22, *Lema*.

Proposed in error for the senior primary homonym *L. rugifrons* Jac., 1888b, p. 27, rather than for the junior primary homonym *L. rugifrons* Jac., 1889, p. 151. The name *rubifrons* Clav. is therefore an objective synonym of *L. rugifrons* Jac., 1888b.

RUBRICOLLIS DeJean, 1837, in Blackwelder, 1946, p. 631, *Lema*.

A nomen nudum and thus not homonymic with *rubricollis* Klug. This was cited needlessly by Blackwelder as a synonym of *L. pudens* Lac. When this name was published by DeJean, 1837, p. 387, it was not accompanied by a description, definition, or indication.

RUBRICOLLIS Klug, 1835, p. 46, *Lema*.

Synonymic with the junior primary homonym *L. abdominalis* Dalm. and the correct name for the species because of the homonymy. See *rubricollis* DeJ., *abdominalis* Dalm., and *brevelineata* Pic, 1931.

RUBRICOLLIS, NEW NAME, *Lilioceris*.

A replacement for the junior primary homonym *ruficollis* Baly.

RUBRIVENTRIS, NEW NAME, *Lema*.

A replacement for the junior primary homonym *abdominalis* Oliv.

RUFIBASIS Monrós, 1960, p. 220, *Lema*.

Needlessly proposed as a replacement for *L. rufobasalis* Pic and a junior objective synonym of it.

RUFICOLLIS Baly, 1865b, p. 155, *Crioceris*, now *Lilioceris*.

A junior primary homonym of *ruficollis* Fab. As a replacement, I propose *rubricollis*, NEW NAME, which agrees closely with the original name.

RUFICOLLIS Fabricius, 1787, p. 88, *Crioceris*, now *Lema*.

A valid name; see *ruficollis* Oliv.

RUFICOLLIS Olivier, 1791, in Clavareau, 1913, p. 72, *Crioceris*, now *Lema*.

This combination (see also Monrós, 1960, p. 210) is a misapplication of *L. ruficollis* (Fab.) and is not a junior homonym of it. Lacordaire, 1845, p. 401, gave the name *olivieri* to the species Olivier, 1791, p. 199, identified in error as *ruficollis* Fab.

RUFIPENNIS Lacordaire, 1845, p. 325, *Lema*.

A valid name and senior primary homonym of *L. gestroi rufipennis* Weise.

RUFIPENNIS Weise, 1892, p. 387, *Lema gestroi*.

A junior primary homonym of *L. rufipennis* Lac. Heinze, 1927c, p. 142, provided the replacement *claripennis* for *L. g. rufipennis* Weise.

RUFOBASALIS Heinze, 1943b, p. 25, *Lema*.

A junior primary homonym (of *rufobasalis* Pic) that Monrós, 1951, p. 477, renamed *erythrobasalis*. Monrós, 1960, p. 200, in error listed *rufobasalis* Heinze as a valid name and did not refer to *erythrobasalis* Mon.

RUFOBASALIS Pic, 1941b, p. 12, *Lema*.

A senior primary homonym; see *rufobasalis* Heinze. Monrós, 1960, p. 220, needlessly proposed the new name *rufibasis* for *rufobasalis* Pic, making *rufibasis* Mon. a junior objective synonym of *rufobasalis* Pic.

RUFOCINCTA Bowditch, 1913, p. 240, *Lema*.

A valid name and senior primary homonym; see *rufocincta* Pic.

RUFOCINCTA Pic, 1924, p. 9, *Lema*.

A junior primary homonym (of *rufocincta* Bowd.) that Heinze, 1928a, p. 65, renamed *rufocinctella*.

RUFOCINCTELLA Heinze, 1928a, p. 65, *Lema*.

Proposed as a replacement for the junior primary homonym *rufocincta* Pic.

RUFOCYANEA Suffrian, 1847, p. 100, *Lema*.

Provided as a replacement for the junior primary homonym *cyanipennis* Duft.

RUFOFEMORALIS Heinze, 1928a, p. 72, *Lema*.

A senior primary homonym; see *rufofemoralis* Pic. Monrós, 1960, p. 192, gave the erroneous spelling *rufofemorata*.

RUFOFEMORALIS Pic, 1946, p. 12, *Lema nigrimembris*.

A junior primary homonym of *rufofemoralis* Heinze. Monrós, 1960, p. 218, listed this name in the synonymy of *L. dorsalis*, so no replacement is needed.

RUFOFEMORATA Clark, 1866b, p. 32, *Lema*.

A valid name; see *rufofemorata* Heinze.

RUFOFEMORATA Heinze, in Monrós, 1960, p. 192, *Lema*.

A spelling error by Monrós and not a junior homonym of *rufofemorata* Clark. The spelling in Heinze, 1928a, p. 72, was *rufofemoralis*.

RUFOSUTURALIS Heinze, 1928a, p. 53, *Bradylema*, now *Lema*.

A valid name; see *nigricornis* Heinze.

RUGICOLLIS Illiger, *Lema*.

See *rugicollis* Suff.

RUGICOLLIS Jacoby, 1892c, p. 565, *Lema*, now *Oulema*.

A junior primary homonym of *rugicollis* Suff.; renamed *sculpticollis* by Weise, 1913b, p. 219.

RUGICOLLIS Kugelann, *Lema*.

See *rugicollis* Suff.

RUGICOLLIS Suffrian, 1841, p. 97, *Lema*.

A senior primary homonym; see *rugicollis* Jac. Now a synonym of *L. cyanella* (L.). Suffrian is generally given authorship of *rugicollis*, but in his paper he gave "rugicollis Kug." and later "Lema rugicollis Kugelann in Mus. Berol." I find no evidence to indicate that Kugelann published the name *L. rugicollis*, and I believe that Suffrian referred to a manuscript combination. In the "Index Animalium" for *L. rugicollis* is given "rugicollis Lema, Ill.; J. Sturm, Catal. Ins. Samm. 1826, 161." In the latter publication the name appears as "rugicollis, Ill." and is not accompanied by a definition, description, or indication, so is a nomen nudum. I have found no evidence to show that Illiger ever validated the name. The author of *rugicollis* is thus Suffrian, 1841, p. 97.

RUGIFRONS Jacoby, 1888b, p. 27, *Lema*.

A valid name and senior primary homonym. Clavareau, 1904, in error proposed *rubifrons* as a replacement for the senior homonym rather than for the junior homonym as it should have been. *L. rubifrons* is thus an objective synonym of *rugifrons* Jac., 1888b. According to the sectional notation in Jacoby, 1888b, (bottom of p. 25), the part containing the description appeared in August of 1888. See the notes under *rugifrons* Jac., 1889.

RUGIFRONS Jacoby, 1889, p. 151, *Lema*.

A junior primary homonym of *rugifrons* Jac., 1888b. According to the sectional notation in this volume (bottom of p. 145), the part containing the description appeared in May of 1889. See the notes under *rugifrons* Jac., 1888b. As a replacement for *rugifrons* Jac., 1889, I hereby propose *rangoonensis*, NEW NAME.

RUSSULA Boheman, 1859, p. 153, *Lema*.

Evidently a junior primary homonym of *L. russula* Lac. Clark, 1866a, p. 24, offered the replacement *bohemani*. I have not seen the paper by Boheman.

RUSSULA Lacordaire, 1845, p. 533, *Lema*.

A senior primary homonym; see *russula* Boh.

SAKANANA Clavareau, 1913, p. 77, *Lema*.

Proposed as a replacement for the junior primary homonym *L. tuberculosa* Weise.

SALISBURYENSIS Clavareau, 1913, p. 77, *Lema*.

Proposed as a substitute for the junior primary homonym *nigro-frontalis* Jac.

SALISBYRYENSIS Clavareau, in Monrós, 1960, p. 196, *Lema*.

A spelling error by Monrós for *salisburyensis* Clav.

SANDAKANA Achard, 1924, p. 37, *Crioceris*.

Proposed as replacement for the preoccupied *C. curtipennis* Pic, 1921a, p. 15. See also *brevipennis* Pic.

SCHEPMANI Pic, "1934, p. 22," in Zoological Record, 1935, p. 261, *Lilioceris lili*.

This is an error in the Zoological Record, for Pic has never proposed such a name. In the paper by Pic, 1934b, p. 21, Everts was cited as author of *schepmani*; Pic should have spelled the name *schepmanni*. See *schepmanni* Everts.

SCHEPMANNI Everts, 1920, p. 231, *Crioceris lili*, now *Lilioceris*.

This was designated by Everts as "Schepmanni nov. ab." Thus it is an infrasubspecific name with no standing and does not enter into homonymy situations.

SCULPTICOLLIS Weise, 1913b, p. 219, *Lema*, now *Oulema*.

Provided as a replacement for the junior primary homonym *L. rugicollis* Jac.

SCUTELLARIS Fleutiaux and Salle, 1889, p. 474, *Lema*.

A junior secondary homonym of *scutellaris* Kraatz. Jacobson, 1906, p. 311, provided the replacement *guadelupensis*.

SCUTELLARIS Jacobson, in Kuwayama, 1932, p. 77, *Lema*.

A misidentification or misleading combination and thus not a junior homonym of *scutellaris* Kraatz. Jacobson, 1907, p. 26, attributed authorship of *scutellaris* to Kraatz.

SCUTELLARIS Kraatz, 1879, p. 130, *Crioceris*, now *Lema*.

A valid name and senior secondary homonym; see *scutellaris* Fleut.

SELLATA Baly, 1861, p. 278, *Lema*.

A junior primary homonym of *sellata* Lac. Clark 1866a, p. 24, replaced it with *balyi*. See *sellata* "Parry."

SELLATA Lacordaire, 1845, p. 484, *Lema*.

A senior primary homonym; see *sellata* Baly.

SELLATA "Parry, 1861, p. 278," in Jacoby and Clavareau, 1904, p. 11, *Lema*.

This is an error in author citation by Jacoby and Clavareau; it should have been *sellata* Baly.

SEMIRUFA Fairmaire, 1904, p. 263, *Crioceris*, now *Lilioceris*.

A junior primary homonym of *semirufa* Mars., for which I hereby propose the replacement *madagascarensis*, NEW NAME. Monrós, 1960, p. 174, in his list and preceding *semirufa* Fair. gave "fairmairei nom. nov." By the manner of its publication, this name must

be regarded as a *nomen nudum*, because it is not clearly indicated what the name was intended to replace, though it was probably intended to replace *semirufa* Fair.

SEMIRUFA Marseul, 1868, p. 204, *Crioceris*, now *Lilioceris*.

A senior primary homonym and synonym of *L. faldermanni* (Guer.). See *semirufa* Fair.

SENEGALENSIS Clark, 1866a, p. 24, *Lema*.

A junior secondary homonym (of *senegalensis* Oliv.) that was renamed *bambotana* by Weise, 1913b, p. 220.

SENEGALENSIS Olivier, 1808, p. 730, *Crioceris*, now *Lema*.

A senior secondary homonym; see *senegalensis* Clark.

SEPTEMMACULATA Lacordaire, 1845, p. 427, *Lema mystica*.

This is a junior primary homonym by the action of Weise, 1913b, p. 219, who renamed it *maculata*. Lacordaire validated this DeJean *nomen nudum* by applying it to a variety of *L. mystica*. See *L. septemmaculata* Lac., 1845, p. 461.

SEPTEMMACULATA Lacordaire, 1845, p. 461, *Lema*.

A senior primary homonym (see *septemmaculata* Lac., 1845, p. 427) by the action of Weise, 1913b, p. 219. Weise proposed the new name *maculata* for *L. mystica septemmaculata* Lac., 1845, p. 427, thus accepting *L. septemmaculata* Lac., page 461, as the senior homonym though it appeared later in the volume than did *L. m. septemmaculata*. This action by Weise is acceptable by article 57(e) of the International Code of Zoological Nomenclature.

SEPTENTRIONALIS Weise, in Monrós, 1960, p. 224, *Lema*.

A spelling error by Monrós; it should have been *septentrionis* Weise.

SEPTENTRIONIS Weise, 1880, p. 158, *Lema*.

Proposed for the species that Thomson, 1866, p. 141, referred to in error as *L. erichsoni* Suff.

SEXMACULATA Germar, 1824, p. 526, *Crioceris*, now *Lema*.

A senior primary homonym and a synonym of *L. sexpunctata* Oliv.

SEXMACULATA Tunkl, 1929, p. 164, *Lema crucifer*, now *Crioceris*.

A junior primary homonym of *C. sexmaculata* Germ. Now a synonym of *C. asparagi* (L.), so no replacement is needed.

SEXPUNCTATA Olivier, 1808, p. 738, *Crioceris*, now *Lema*.

A valid name; see *sexmaculata* Germ.

SIGNATICOLLIS Heinze, 1931, p. 175, *Elisabethana*, now *Crioceris*.

A valid name; see *tricolor* Heinze.

SIMONI Chobaut, in Monrós, 1960, p. 178, *Crioceris*.

This combination is not a validly proposed name, but it represents a misidentification, so is not a homonym of *simoni* Weise. In Monrós, 1960, p. 178, beneath *C. macilenta* is included "simoni Chobaut"; there is no reference to *simoni* Weise. In Chobaut, 1907, that is the basis for this citation, the name appears on page 178 as *Crio-*

ceris macilenta simoni Weise. In Clavareau, 1913, p. 43, the treatment indicates that *simoni* Chob. is a misidentification of *C. asparagi tournieri* Pic.

SIMONI Weise, 1883, 251, *Crioceris macilenta*.

A valid name; see *simoni* Chob.

SMARAGDINA Jacoby, 1880, p. 15, *Crioceris*, now *Metopoceris*.

As presented in Monrós, 1960, p. 167, this would appear to be homonymic with *smaragdina* Lac., but it is actually a misidentification of a species later named *curvipes* by Jacoby.

SMARAGDINA Lacordaire, 1845, p. 554, *Crioceris*, now *Metopoceris*.

A valid name; see *smaragdina* Jac.

SMITHI Jacoby, 1892a, p. 341, *Lema*.

A junior primary homonym of *L. smithii* Baly. Clavareau, 1904, p. 23, provided the replacement *waterhousei*. The two spellings *smithi* and *smithii* are to be considered homonyms by article 58 of the International Code of Zoological Nomenclature.

SMITHII Baly, 1865a, p. 25, *Lema*.

A valid name and senior primary homonym; see *smithi* Jac.

SOLANI Fabricius, 1798, p. 93, *Lema*.

A valid name and senior secondary homonym; see *solani* Weber.

SOLANI Weber, 1801, p. 58, *Crioceris*, now *Lema*.

A junior secondary homonym. Harold, 1875, p. 185, provided the replacement *weberi*.

SPECIOSA Baly, in Pic, 1946, p. 12, *Lema*.

This is an error by Pic for the combination *L. speciosa* Jac., 1899b, p. 249, described from Peru. Pic compared his *L. beari* (from Peru) with "*L. speciosa* Baly"; actually Baly did not describe a *L. speciosa*.

SPECIOSA Jacoby, 1899b, p. 249, *Lema*.

A valid name; see *speciosa* Baly.

STEINHEILI Baly, 1878, p. 312, *Lema*.

This is homonymic with *steinheili* Jac. Donckier de Donceel, 1885, p. 9, considered that *steinheili* Jac. was the junior homonym and renamed it *metallica*. However, Heinze, 1927c, p. 141, stated that this was in error (Heinze in error cited the author as Duvivier) and that *steinheili* Jac. was the older of the two names, so offered the replacement *columbiensis* for *steinheili* Baly. Heinze gave the date of 1879 for the Baly paper; however, the section of the journal in which the Baly paper appeared is imprinted with the date June 30th, 1878 (bottom of p. 269). Thus Heinze was in error in giving the date of 1879 for the Baly paper. Examination of the journal in which the Jacoby paper appeared does not allow me to pin down the publication date, so, because I cannot prove that the action by Heinze was inaccurate, it will stand.

STEINHEILI Jacoby, 1878, p. 155, *Lema*.

This is homonymic with *steinheili* Baly. According to Heinze, 1927c, p. 141, *steinheili* Jac. is the senior primary homonym. I am unable to disprove this (see under *steinheili* Baly), so Heinze's action stands. Donckier de Donceel, 1885, p. 9, offered *metallica* as a replacement for *steinheili* on the erroneous assumption (according to Heinze) that *steinheili* Baly was the older name. I am not able to establish with certainty whether *steinheili* Jac. or *steinheili* Baly is the older name, so I will make no changes.

STIGMULA Jacoby, 1888b, p. 24, *Lema*.

A valid name; see *stigmula* Lac.

STIGMULA Lacordaire, in Monrós, 1960, p. 206, *Lema*.

This is an error by Monrós for *L. stigmula* Jac. I find no evidence to show that Lacordaire described a *stigmula*.

STRAMINIPENNIS Weise, 1913b, p. 220, *Lema bipunctata*.

Offered as a replacement for *L. bipunctata flavipennis* Weise, a junior primary homonym of *L. flavipennis* Jac.

STRANGULATA Heinze, 1942, p. 50, *Lema*.

A junior primary homonym of *strangulata* Lac. Monrós, 1960, p. 202, provided the replacement *strangulicollis*.

STRANGULATA Lacordaire, 1845, p. 380, *Lema*.

A senior primary homonym; see *strangulata* Heinze.

STRANGULICOLLIS Monrós, 1960, p. 202, *Lema*.

A replacement for the junior primary homonym *L. strangulata* Heinze.

STRICTA Clark, 1866a, p. 28, *Lema*.

A replacement for the junior primary homonym *L. constricta* Clark.

SUBCASTANEA Weise, 1901, p. 146, *Lema*.

A valid name; see *usambarica* Clav.

SUBINNOTATA Pic, 1929, p. 15, *Lema*.

A valid name; see *maindroni* Pic.

SUBPOLITA Jacoby, 1896, p. 5, in Chûjô and Kimoto, 1961, p. 126, *Crioceris*, now *Lilioceris*.

As listed by Chûjô and Kimoto (a synonym of *L. neptis* (Weise)), this combination would appear to be homonymic with *subpolita* Motsch., but it is actually a misidentification by Jacoby and is not homonymic.

SUBPOLITA Motschoulsky, 1860, p. 22, *Crioceris*, now *Lilioceris*.

A valid name; see *subpolita* Jac.

SUBTRIANGULARIS, NEW NAME, *Lema*.

A replacement for the junior primary homonym *diversenotata* Pic, 1941b.

SUMBAENSIS Jacoby, 1899a, p. 260, *Lema*.

A correct spelling needlessly emended by Weise to *sumbensis*.

SUMBAWAENSIS Jacoby, 1895b, p. 54, *Lema*.

A valid name and correct spelling. Emended needlessly by Weise, 1913a, p. 18, to *sumbawensis*; see article 32(a)(ii).

SUMBAWENSIS Weise, 1913a, p. 18, *Lema*.

An emendation of *sumbawaensis* Jac. Because the latter is the original spelling, it is the correct name; see article 32(a)(ii).

SUMBENSIS Weise, 1913a, p. 18, *Lema*.

An emendation of *sumbaensis* Jac. Because the latter was the original spelling, it is the correct name; see article 32(a)(ii).

SUTURALIS Heinze, 1943a, p. 107, *Lema diversa*.

A junior secondary homonym of *L. suturalis* (LeC.). Monrós, 1960, p. 182, listed this as a synonym of *L. diversa* Baly, so no replacement is needed.

SUTURALIS LeConte, 1860, p. 89, *Syneta*, now *Lema*.

A valid name and senior secondary homonym; see *suturalis* Pic and *suturalis* Heinze.

SUTURALIS Pic, 1941b, p. 8, *Lema bilineata*.

A junior secondary homonym of *L. suturalis* (LeC.). Monrós, 1960, p. 207, listed this as a synonym of *L. bilineata* Germ., so no replacement is needed.

SWARTZII Clark, 1866a, p. 25, *Lema*.

A replacement for *quadripunctata* Swartz.

TAENIATA Bates, 1866, p. 56, *Lema*.

A valid name; see *taeniata* Lac.

TAENIATA Lacordaire, 1845, p. 416, *Lema*.

Not a valid name. Lacordaire referred to one of his specimens of *L. intermedia* as having been sent to him under the name *taeniata*. This is publication in synonymy, and by article 11(d) of the International Code of Zoological Nomenclature it does not validate the name *taeniata*. *L. taeniata* Bates is thus not a junior homonym of *taeniata* Lac.

TANGANYIKANA Monrós, 1960, p. 227, *Oulema*.

Proposed as a replacement for the preoccupied *curtipennis* Pic, 1940.

TESTACEIPES Pic, 1916a, p. 3, *Incisolema*, now *Oulema*.

A junior secondary homonym; see *testaceipes* Pic, 1952.

TESTACEIPES Pic, 1952, p. 497, *Hapsidolema*, now *Oulema*.

A junior secondary homonym, renamed *testaceitarsis* by Monrós, 1960, p. 227.

TESTACEITARSIS Monrós, 1960, p. 227, *Oulema*.

A replacement for the junior secondary homonym *Oulema testaceipes* Pic, 1952.

THORACICA Jacoby, 1894, p. 268, *Crioceris*, now *Lilioceris*.

A junior primary homonym (of *thoracica* Weise) that was renamed *jacobyi* by Heinze, 1927c, p. 141.

THORACICA Weise, 1893, p. 1118, *Crioceris*.

Described as a variety of *C. quinquepunctata* Scop. and a valid name; see *thoracica* Jac.

THORACICA Weise, 1905, p. 323, *Sigrisma*, now *Crioceris*.

Described as "ab. *thoracica*" of *S. cylindrica* Klug., and as such it is an infrasubspecific name and not part of our nomenclature, so is not homonymic with *C. thoracica* Weise, 1893.

TIBIALIS Castelnau, in litt., *Crioceris*, now *Lema*.

This combination (see Lacordaire, 1845, p. 329) is not homonymic with *tibialis* LaPorte, for the two names refer to the same species, and the two author names refer to one individual. Francois Louis Nomparr de Caumont de LaPorte is also known as Comte de Castelnau.

TIBIALIS de LaPorte, 1840, p. 509, *Crioceris*, now *Lema*.

A valid name; see *tibialis* Cast.

TOGOANA Monrós, 1960, p. 204, *Lema*.

A replacement for the junior secondary homonym *L. togoensis* Heinze.

TOGOENSIS Heinze, 1928a, p. 51, *Bradylema*, now *Lema*.

A junior secondary homonym; see *togoensis* Jac. Renamed *togoana* by Monrós, 1960, p. 204.

TOGOENSIS Jacoby, 1895a, p. 166, *Lema*.

A senior secondary homonym; see *togoensis* Heinze.

TRABEATA Chevrolat, 1835, list following description 200 (no pagination), *Lema*.

Not a valid name. Chevrolat presented this as synonymic with *L. confusa* Chev. and cited it as "trabeata, var. Dej." This is publication in synonymy (see article 11(d) of the International Code of Zoological Nomenclature), so did not serve to validate the name. See *trabeata* Lac. and *trabeata* DeJ.

TRABEATA DeJean, 1835, p. 359, in Chevrolat, 1835, description 200, DeJean, 1837, p. 386, *Lema*.

Not a valid name. As cited by Chevrolat (above), this name would appear to be valid and homonymic with *trabeata* Lac. However, it is a nomen nudum, for in neither DeJean publication was it accompanied by a description, definition, or indication, and it was not validated by the Chevrolat citation. See *trabeata* Chev. and *trabeata* Lac.

TRABEATA Lacordaire, 1845, p. 409, *Lema confusa*.

A valid name and not homonymic; assigned by Lacordaire to var. B of *L. confusa*; the variety was briefly described. See *trabeata* DeJ. and *trabeata* Chev.

TRICOLOR Heinze, 1928c, p. 60, *Elisabethana*, now *Crioceris*.

A junior primary homonym of *C. tricolor* Weber. Monrós, 1960, p. 180, listed *tricolor* Heinze as a valid species of *Crioceris*, but on page

337 in the list of corrigenda he placed *tricolor* Heinze as a synonym of *signaticollis* (Heinze), so no replacement is needed.

TRICOLOR Weber, 1801, p. 58, *Crioceris*.

A senior primary homonym; see *tricolor* Heinze.

TRILINEA, NEW NAME, *Lema*.

A replacement for the junior primary homonym *trilineata* Oliv.

TRILINEATA Fabricius, 1787, p. 90, *Crioceris*, *Trichocneorane* (Galerucinae of Chrysomelidae).

A senior primary homonym and a senior secondary homonym; also a valid species. See *trilineata* Oliv. and *trilineata* Heinze.

TRILINEATA Heinze, 1928c, p. 61, *Elisabethana*, now *Crioceris*.

A junior secondary homonym of *trilineata* Fab. The two names are now in different genera, so by article 59(b) no replacement is needed.

TRILINEATA Olivier, 1808, p. 739, *Crioceris*, now *Lema*.

A junior primary homonym of *trilineata* Fab. *L. trilineata* (Oliv.) is a long accepted and familiar name, so to minimize confusion that will result from a change, I replace it with the similar name *trilinea*, NEW NAME. Under the name *L. ornata*, Gravenhorst, 1807, p. 138, described a beetle with dark elytral stripes similar to those of *L. trilineata* and *L. trivittata*. The part of the description that states "...Fusse gelbroth mit schwarzbraunen Schienbeinen und Fussblättern." better describes the tibial color of *trilineata* than *trivittata*. However, I regard *ornata* as a forgotten name (see article 23(b)), so I will not use it as a replacement for *trilineata* (Oliv.).

TRIVIRGATA Lacordaire, 1845, p. 425, *Lema*.

A senior primary homonym; see *trivirgata* LeC.

TRIVIRGATA LeConte, 1859, p. 22, *Lema*.

A junior primary homonym (of *trivirgata* Lac.) that was renamed *lecontei* by Clark, 1866a, p. 31, and a synonym of *L. trivittata* Say.

TRIVITTATA Say, 1824, p. 429, *Lema*.

A valid name; see *lecontei* Clark and *trivirgata* LeC.

TSIPANGOANA Clavareau, 1904, p. 14, *Lema*, now *Mimolema*.

A replacement for the junior primary homonym *L. brevicornis* Jac., 1897.

TUBERCULA Lacordaire, in Jacoby and Clavareau, 1904, p. 24, *Crioceris*.

This combination (appeared beneath the entry *L. tuberculata* (Oliv.)) is an error in spelling by Jacoby and Clavareau and is a misleading combination. The original literature source (Lacordaire, 1845, p. 540, not p. 548 as in Jacoby and Clavareau) is a reference to *C. tuberculata* Oliv., and the name was there spelled correctly.

TUBERCULATA Fabricius, in Latreille, 1804, p. 353, *Crioceris*.

An invalid name combination. Latreille, under the heading of *Crioceris tuberculata*, cited "*Lema tuberculata* Fab." and provided a

short description. I am not able to show that Fabricius ever validated a *Lema tuberculata*. See *tuberculata* Lat.

TUBERCULATA Guérin, 1844, p. 264, in Clavareau, 1913, p. 69, *Crioceris*, now *Lema*.

Not a valid name, but a misapplication of *C. tuberculata* Oliv. Guérin applied *tuberculata* Oliv. to a species that was later named *mannerheimi* by Lacordaire, 1845, p. 384.

TUBERCULATA Latreille, 1804, p. 353, *Crioceris*.

Evidently a forgotten name combination; also a senior primary homonym. See *tuberculata* Oliv. As a basis for his use of *C. tuberculata*, Latreille cited "*Lema tuberculata* Fab." and provided a short description. I cannot show that Fabricius validated such a name; however, the name was validated by Latreille's description, and authorship is his. Unfortunately I find no subsequent citation in the literature of *tuberculata* Lat., so I have no way of knowing to what species the name *tuberculata* Lat. applies.

TUBERCULATA Olivier, 1808, p. 732, *Crioceris*, now *Lema*.

A junior primary homonym (of *tuberculata* Lat.) and senior secondary homonym. Because of the homonymy, the correct name is the synonym *inconstans* Clark. See also *tuberculata* Guér. and *tuberculata* Pic.

TUBERCULATA Pic, 1921a, p. 15, *Lema*.

A junior secondary homonym of *L. tuberculata* (Oliv.). Renamed *tuberculosa* by Monrós (itself a junior homonym of *tuberculosa* Clark), again renamed *tuberculifera* by Monrós, 1960, p. 189, and now the correct name.

TUBERCULIFERA Monrós, 1960, p. 189, *Lema*.

A replacement for the junior primary homonym *L. tuberculosa* Mon. and the correct name for the species.

TUBERCULOSA Clark, 1866b, p. 61, *Lema*.

A senior primary homonym; see *tuberculosa* Weise.

TUBERCULOSA Monrós, 1951, p. 477, *Lema*.

A junior primary homonym (of *tuberculosa* Clark) that was offered as a replacement for the junior secondary homonym *L. tuberculata* Pic and was itself renamed *tuberculifera* by Monrós, 1960, p. 189.

TUBERCULOSA Weise, 1910b, p. 422, *Lema*.

A junior primary homonym; see *tuberculosa* Clark. Renamed *sakanana* by Clavareau, 1913, p. 77.

UNICINCTA Guérin, 1844, p. 264, *Crioceris*, now *Lema*.

A valid name; proposed as a replacement for the preoccupied *C. unifasciata* Guér. See *unicincta* Lac.

UNICINCTA Lacordaire, in Pic, 1949, p. 12, *Lema*.

This combination is an error by Pic, for Lacordaire, 1845, p. 344, cited Guérin's 1844 paper as the source of his use of *unicincta*. Pic should have cited the combination as *unicincta* Guér.

UNIFASCIATA Fabricius, 1792, p. 8, *Crioceris*, now *Lema*.

A valid name and senior primary homonym; see *unifasciata* Guer.

UNIFASCIATA Guérin, 1838, p. 140, *Crioceris*, now *Lema*.

Evidently a junior primary homonym of *unifasciata* Fab. Guérin, 1844, p. 264, provided the replacement *unicincta*. I have not seen the 1838 paper by Guérin.

USAMBARICA Clavareau, 1909, p. 378, *Crioceris*, now *Lema*.

A junior secondary homonym of *usambarica* Weise, also a synonym of *subcastanea* Weise (see Monrós, 1960, p. 204), so no replacement is needed.

USAMBARICA Heinze, 1928a, p. 54, *Bradylema*, now *Lema*.

A junior secondary homonym of *usambarica* Weise and renamed *usambariensis* by Monrós, 1960, p. 204.

USAMBARICA Weise, 1901, p. 150, *Lema*.

A valid name and senior secondary homonym; see *usambarica* Heinze and *usambarica* Clav.

USAMBARIENSIS Monrós, 1960, p. 204, *Lema*.

Offered as a new name for the junior secondary homonym *usambarica* Heinze.

VARIEGATA Jacoby, 1888b, p. 31, *Lema*.

A valid name; see *variegata* Pic.

VARIEGATA Pic, in Monrós, 1951, p. 477, *Lema*.

A spelling error by Monrós. Monrós (reference above) provided the new name *multichroma* for "L. *variegata* Pic, 1942, Opuscula martialia 6, p. 12," supposedly a junior homonym of *L. variegata* Jac. There is neither a *variegata* on page 12 of Pic's 1942a paper nor on any other page, but the species name *variesignata* does appear on page 12. Thus *variegata* Pic is a spelling error and nomen nudum, and *multichroma* Monrós was needlessly proposed.

VARIOLOSA Baly, 1859, p. 146, *Lema*.

A senior primary homonym; see *variolosa* Mon.

VARIOLOSA Monrós, 1956, p. 36, *Lema*.

A junior primary homonym; see *variolosa* Baly. Monrós, 1960, p. 214, presented *variolosa* Mon. as a synonym of *baeri* Pic, so no replacement is needed.

VENTRALIS Kuwayama, 1932, p. 69, *Lema concinnipennis*.

Described as a new variety of *L. concinnipennis* and a junior primary homonym of *L. ventralis* Suff. Monrós, 1960, p. 183, listed *ventralis* Kuw. as a synonym of *concinnipennis*, so no replacement is needed.

VENTRALIS Suffrian, 1859, p. 42, *Lema*.

Proposed as a new name for the junior primary homonym *abdominalis* Dalm.; the latter is synonymic with *rubricollis* Klug. *L. ventralis* Suff. is itself a senior primary homonym; see *ventralis* Kuw.

VERTICALIS Lacordaire, 1845, p. 381, *Lema*.

A senior primary homonym; see *verticalis* Weise.

VERTICALIS Weise, 1910a, p. 159, *Lema*.

A junior primary homonym of *verticalis* Lac.; renamed *monticola* by Clavareau, 1913, p. 71.

VICINA Clark, 1866b, p. 51, *Lema*.

A junior primary homonym of *vicina* Lac.; renamed *braziliensis* by Heinze, 1927c, p. 141.

VICINA Lacordaire, 1845, p. 433, *Lema bifida*.

A senior primary homonym; see *vicina* Clark.

VIRIDEVITTATA Pic, 1939a, p. 10, *Lema*.

An invalid emendation. I have compared the description of *L. viridivittata* Pic, 1938, with that of *L. viridevittata* Pic, 1939a, (both from Tanganyika), and I have concluded that Pic in 1939 simply redescribed his *viridivittata* without making it clear that he was doing so, but with an alteration in spelling. The spellings *viridivittata* and *viridevittata* would be homonymic were these names actually proposed for different species (see article 58(8)), but *viridevittata* is an emendation and *viridivittata* is the correct spelling. In the Zoological Record, 1940, p. 282, *L. viridevittata* Pic, 1939a, was presented in error as a new species.

VIRIDIMETALLICA Heinze, 1928a, p. 73, *Lema*.

A senior primary homonym; see *viridimetallica* Pic.

VIRIDIMETALLICA Pic, 1937a, p. 16, *Lema*.

A junior primary homonym of *viridimetallica* Heinze; renamed *fastidiosa* by Monrós.

VIRIDIPENNIS Pic, 1916b, p. 17, *Sigrisma*, now *Crioceris*.

A valid name; see *interrupta* Heinze.

VIRIDIVITTATA Pic, 1938, p. 8, *Lema*.

A valid name; see *viridevittata* Pic.

WAGNERI Jacobson, 1893, p. 122, *Crioceris*.

A valid name; see *laticollis* Reitt.

WALTI Heinze, 1927c, p. 141, *Lema*, now *Oulema*.

Provided as a replacement for the preoccupied *atrata* Walth.

Now in *Oulema* as a synonym of *melanopus* (L.).

WATERHOUSEI Clavareau, 1904, p. 23, *Lema*.

Provided as a replacement for the junior primary homonym *L. smithi* Jac.

WEBERI Harold, 1875, p. 185, *Lema*.

A replacement for the junior secondary homonym *L. solani* (Weber).

WEISEANA Monrós, 1960, p. 204, *Lema*.

Proposed as a replacement for the junior primary homonym *L. weisei* Heinze.

WEISEI "Chev.," in Heinze, 1929a, p. 114, *Lema*.

An error in author citation. This reference by Heinze to an African beetle is almost certainly an error for *weisei* Clav. (from Africa), for I find no indication that *weisei* Chev. was ever validly published.

WEISEI Clavareau, 1904, p. 30, *Crioceris*, now *Lilioceris*.

A replacement for the junior primary homonym *L. crassicornis* (Weise) and itself a senior primary homonym; see *weisei* Heyd.

WEISEI Heinze, 1928a, p. 54, *Bradylema*, now *Lema*.

A junior secondary homonym of *weisei* Jac. Monrós, 1960, p. 204, proposed the replacement *weiseana*.

WEISEI Heyden, 1906, p. 126, *Crioceris macilenta*.

A junior primary homonym of *weisei* Clav. Monrós, 1960, p. 178, listed this as a synonym of *C. macilenta* Weise, so there is no need for a replacement.

WEISEI Jacoby, 1904, p. 230, *Lema*.

A junior primary homonym of *weisei* Seid. and a senior secondary homonym; see *weisei* Heinze. Monrós, 1960, p. 191, listed this as a synonym of *L. camarunensis* Jac., so no replacement is needed.

WEISEI Seidlitz, 1891, p. 726, *Lema*, now *Oulema*.

A senior primary homonym; see *weisei* Jac.

YUNNANA Weise, 1913b, p. 220, *Crioceris*, now *Lilioceris*.

A replacement for the junior primary homonym *crassicornis* Fair.

NAMES CHANGED

Twenty-six names that have been generally accepted as correct have been changed here. Most changes are due to homonymy, unjustified emendations, or errors in author citation.

ABDOMINALIS Olivier, 1808, p. 741, *Crioceris*, now *Lema*.

A junior primary homonym of *abdominalis* Fab., for which I herein offer the replacement *rubriventris*, NEW NAME.

ATRICORNIS Chevrolat, 1835, No. 110, *Lema*.

A junior secondary homonym; herein replaced by *chevrolati*, NEW NAME.

BICOLOR Boisduval, 1835, in Clavareau, 1913, p. 73, *Lema*.

A spelling error or unjustified emendation by Clavareau; the original and correct spelling is *bicolora* Boisd.

BISULCATA Baly, 1889, p. 486, *Lema*.

A junior secondary homonym; replaced herein by *hueiensis*, NEW NAME.

COERULEA Lacordaire, 1845, in Clavareau, 1913, p. 58, *Lema*.

An unjustified emendation by Clavareau of the correct spelling *caerulea* Lac.

CYANEOFASCIATA Lacordaire, in Blackwelder, 1946, p. 629, *Lema*.
An error in author citation by Blackwelder; *cyaneofasciata* Jac. is correct.

DECEMPUNCTATA Gebler, 1830, p. 46, *Lema*.
An emended, incorrect spelling for *ropunctata* Geb.

DIVERSENOTATA Pic, 1941b, p. 6, *Lema*.
A junior primary homonym of *diversinotata* Pic. As a replacement, I herein offer *subtriangularis*, NEW NAME.

ECUADORICA Baly, in Clark, 1866a, p. 32, *Lema*.
Needlessly proposed for the correct name *oculata* Baly.

JAVANENSIS Pic, 1947a, p. 14, *Lema*.
A junior primary homonym; herein replaced by *pici*, NEW NAME.

LATICOLLIS Jacoby, 1888b, p. 29, *Lema*.
A junior primary homonym of *laticollis* Jac., 1888a. As a replacement, I herein offer *maculosa*, NEW NAME.

LATIPENNIS Pic, 1941b, p. 9, *Lema*.
A junior primary homonym of *latipennis* Clark. Because of the homonymy, the synonym *latebifasciata* Pic is the correct name.

METALLICA Duvivier, 1885, p. 9, *Lema*.
An error in author citation; correct citation is *metallica* Donck.

MINIMA Jakob, 1961, p. 61, *Liliocerus*.
A junior secondary homonym; replaced herein by *jakobi*, NEW NAME.

MULTIPUNCTATA Pic, in Clavareau, 1913, p. 42, *Criocerus*.
A spelling error for *multiplicata* Pic.

NIASENSIS Jacoby, 1900b, p. 387, *Lema*.
A junior primary homonym; herein replaced by *jacobyi*, NEW NAME.

NOTATIVENTRIS Pic, 1941a, p. 11, *Lema*.
A junior primary homonym; herein replaced by *jamaicensis*, NEW NAME.

OCULATA Fabricius, in Olivier, 1791, p. 200, *Criocerus*, now *Lema*.
An emendation of the correct *oculatata* Fab.

OCULATA Olivier, in litt., *Lema*.
An incorrect author citation and emendation of the correct *oculatata* Fab.

PUNCTICOLLIS Lacordaire, 1845, p. 567, *Criocerus*, now *Liliocerus*.
A junior primary homonym of *puncticollis* Curt. Because of the homonymy, the correct name is the synonym *fuscopunctata* Clark.

RUBIFRONS Clavareau, 1904, p. 22, *Lema*.
Proposed in error for the senior primary homonym; the correct name is *rugifrons* Jac.

RUFICOLLIS Baly, 1865b, p. 155, *Crioceris*, now *Lilioceris*.

A junior primary homonym of *ruficollis* Fab. I herein propose *rubricollis*, NEW NAME, as a replacement.

RUGIFRONS Jacoby, 1889, p. 151, *Lema*.

A junior primary homonym; herein replaced by *rangoonensis*, NEW NAME.

SEMIRUFA Fairmaire, 1904, p. 263, *Crioceris*, now *Lilioceris*.

A junior primary homonym; herein replaced by *madagascarensis*, NEW NAME.

TRILINEATA Olivier, 1808, p. 739, *Crioceris*, now *Lema*.

A junior primary homonym of *trilineata* Fab. To minimize the confusion that would be caused by a change in this familiar name, I herein propose the similar name *trilinea*, NEW NAME, as a replacement.

TUBERCULATA Olivier, 1808, p. 732, *Crioceris*, now *Lema*.

A junior primary homonym of *tuberculata* Lat. Because of the homonymy, the correct name is the synonym *inconstans* Clark.

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² * indicates only part of reference has been seen (usually xerox copy of important pages); ** indicates reference not seen.

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